(Sheet. I.) 1. Megapodins cumingi Dillivyn.
Wound Bird; Caming's Megapode.
Jah'-bonn (Moros and Viscayans of Zomboanga). Tomentonien Yacans of Basilan. Abundant on the island of Basilan. Found on the island of Sule, November 12-26, On the island of O Zuluan, off southern Undanas, Fibruary 1, 1904, a nest or bed of this species was seen, in which native Moros had been digging for eggs. We rearched further but found none. On a small island off Cagayan Sulu, in the Sulu Dea, opposite the residence of Senor Mariano de Lion, four mounds of this brid are schown to Mariano, who Knew of none on Cagayan Sulu Island. At Jamboanga, Windanceo. P. D., a Moro lad brought me two fresh eggs; & March 1, 1904; and my cook bought a number of them during the months of March. There eggs were also sold in the Barrebourge market in February and Opril. In February, 1904, Coptani Robert O. Van Home, 17th Infantry, U.S. army, Lovernor of the Collabato District

1. Megapodnis Enningi Dillwyn Caming's Megapode.

- which, if not a hybrid between the Mound Bird and Jungle Fowl must have been a new species. He obtained it on Island, off the mouth of the Rio France de Mindanao. In ascending the Tubay River, between Tubay and Santiego, April 22, 1904, several were seen running about on the sandy shores, near the grass water and the grassy bank. Holed at Lakas, Libringan Valley, east of Colaboto, Mindanas, March 12, 1904. On the banks of the Tubay River, northeastern Mindanao, april 22 to 24, 1904, quite a mumber were seen on the sandy shoves near the cogon grass, where they appeared much as had Hous (Fulica) would. Munerous on the little wooded islands off the routh end of Dibutu Veland, January 5, 1906 Balanding, on the northwest shore of the Loland of Jawi Jawi, P. D. January 6, 1906. Casiguran, cast coast of Luzon, There 1, 1907. Baler, east coast of Luzon, June 2, 1907. Manay, cast Mindanao, October 6, 1906. On Dunindas Island, off Sitanki Toland, Colobro 13, 1906, 2 birds and many wounds were seen;

(Sheet III.) Megapodius eumingi Dillwyn. Munierous on Manuk Manka Island, S.W. Thilippnies, January 6, 1906. Dibutu town, west coast of Dibutu Island, January 7, 1906. Westrig mound (fresh) on East Bolod Island, January 10, 1906. Very numerous, January 10, 1906, on Baluk Baluk Island, off Basilan Island, where at least half a hundred of their nesting mounds were seen and a specimen was latter. His individual's stom: = ach contained insect remains, seeds, and two small bivalve shells, together with some gravel. From Jolo to Mainbien, Cerater Lake, around Bud Dajo to Siet Lake, March land 2, 1906; one seen on Siet Lake Beach, March 2, 1906; eggs offered for sale in Jolo markets. Eggs were supplied to the crew of the Undanas, from Huga Island, 1907. leggs mearly always on sale at Zamboanga marketo. Univerous at camp no. 4 of the first mapping expedition to Basilan Island (camp of Jan. 30 and 31, 1906), west Basilan; March 3,1906. Pangfiang, Dumanquilas Bay, southern Mindanao, august 17,1906. Cabo Island, Igat Bay, southern Minidanao, april 2, 1906. Hatina Island, Dumanquilas Bay, off D. Mindanao, april 2,1906

Megapodius cuninge Dillwyn Cheet on) Cuning's Megapode. Very abundant on Finga Island P. J., May 27/1907 Amall young were running about. The largest mound seen was 6 long paces periphery to center and 3 feet high Eggs were sent out to the crew of our Lhip for food. a wounded bird uttered a whining cry when pursued. Hive were shot by the perty on Huga, Mear Sabella, Basilan Island, January 26, 1906. 6 Miles west of Isabella, Basilan, January 28, 1906. Camp no. 2 to Ceamp no. 3, Basilan Island, January 29, 1906. Our little dog Pilay" treed two of them in northwestern Basilan, between Camp no. 4 and Camp No. 5, Jan. 31, 1906. Camp No.5 to Camp No. 6, interior of Basilan, For February 1, 1906. Ceamp No. 8 to La Mitan, north Basilan, February 4, 1906. Jumahobang River, south side of Basilan Id., Feb. 16, 1906. Camp No. 4, on the Buli Buli River to Ceamp No. 5, south Basilan, Fibruary 17, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906. " abundant in the vicinity of the Malusa, west Mindoro; Hebruary 19, 1906. Camp No. 7 to Camp No. 8, interior of west Basilan, February 20, 1906. Camp No. 8 to Camp No. 9 (Musser's plantation 2 miles west of Isabella, Basilan Island, February 21, 1906. Musker's plantation, near Isabella, Basilan, Feb. 22, 1906.

Po'- go ( Moros of southern Midauao). (Sheet I.)
Excat factoria lineata (Scopoli).
Painted Quail; Blue- Grasted Quail. These may possibly be are
Dusky 4-tord "Linail". These may possibly be are Jemales and young of Excalfactoria or Treson. at any nate a sufficient number have been collected to selle Her ofecies. Small, dusky Quail were noted at Zamboanga, Mindanao, P. D., October 10-16, 1903. Dusky Quail were plushed from the cogonal at Makar, Darangani Bay, southern Mindanso, Oct. 26, 1903. Dusky Quail were frequently seen at Camp Paular, on the Agus ( wer, and all the way around Lake Lanas, in central Mindanao. This is the same as specimen No. 13122, Killed on Kornayn Krier, on the east side of Lake Lanao, November 6, 1903. The 4-tord Quail (No. 13122) of Lake Lanao seemed different from those from Zamboanga. De specimens. At Buluan, southern Mindanao, January 31, 1904, 9 shot a female (200. 13313), one of a flock of about 15 flushed from a trail in the edge of a cogonal. Unother, a small houng one, was caught but locaped. Moro name: Po-go. Cet Lubringan, northern Mindanao, P. D., February 14. 1904, small Leail were seen running like mice Merough The shrubbery whence I could not flesh them. Noted at Aligan, northern Mindanao, Febr. 15, 1904.

Excalfactoria lintata (Scopoli). (Sheet III.) Po-go (Moro). Painted Quail; Blue-breasted Quail. Dusky, 4-tord Quail Senor Mariano de Lion, President of the Island of Cagayan Dulu, in the Sulu Dea, informed me that a Quail called Pertises or Poo'-go (Moro) is common on Mat island. Probably Excalfactoria liniata. abundant at Cottabato, Rio Grande Valley, Mindanao, March Many living birds, in enges, offered for sale in manula markets - also a few on the streets-during august and Sept, 1905. Noted on the Malala and Numbourata ruris, on the trail from Buluan to Simpitan, May 23 and 24, 1904 Observed at Davas, couthern Mindanas, July 15 to 20, 1904 In the Manila markets these birds are sold at about two cents gold aprèce. Numerous at Mercedes, 9m. E. of Zambounga, Mindanao, March 28, 1906. Noted on Lake Lanar and at Partar Mind, aug + Sept, 1903. The broad cogonal extending from the Deranaya Marsh. where Datto ali's fort was situated, to the foothills of the Liburgan Valley that at Labas last of Colabato, which I traversed march 12 and 13,1904, b last quail. At Baliangao, on Murcialagos Bay, northern Mindanao it was abundant living in comote fields and cultivated lands, May 13, 1904 Sens telds were shot and skinned.

Excalfactoria lineata (Scopoli). Dagupan la Pozorrubeo, Pangasinan Province, Luzon, Nov. 30,1905. Meade Road, Benquet Province, Luzon, December 13, 1905. I hove an egg laid by a bird that was sold me with others, alive, at the army and havy Club, Manila. I shot a few of these birds at Lavay, Hoear norte Province Luzon, January 31, 1907. My Glocano boy had never seen them before, so it is probably rare as I only saw Their in one field. Two were seen at 2000 feet altitude on the base of Mount Mayon, Legaspi side, albay Province, Luzon, March 28, 1907. March 28, 1907.
Pili Hot Springs, near Tibi, southeastern Luzon, June 3, 1907.
One shot at the base of Mount Mayon, albay Province Luzon, June 4, 1907. One flock on the trail from Naujan to Lake Naujan, eastern Mindoro, March 25,1907; some at Lake Naujan. 4 Miles west of Isabella Bosilan Id., January 28, 1906. Jan. 29,1906 - Excalfactoria is abundant on Basilan Island, though I have seen but few on this trip." The were noted between Tipo Tipo, in the interior, and the south coast of Basilan Island, February 16, 1906. Musser's plantation, 2 miles west of Isabella, north Bas= = ilan, February 21, 1906; No. 13979, Ead., collected.

3 (Sheet I.) 3. Dallus gallus (Linnaeus).
Mountain Howl; Jungle-Howl.
Mah-nook' Jah-loong, Bagobos of Mount apo, Mindanao. Heard crowing along the road from Walabang to Camp Vieare, especially about Watating Halls, aug. Doundant at Vantar and Marahui in aug. + Sept., 1903. On October 26, 1903, on a sandy cogonal near Makar, on Darangani Bay, southern Mindanao, October 26, 1903, I flushed a flock of Jungle Howls, most of which alighted ni some trees 200 yards away, whence they were flushed one at a time. I Killed a frue cock, but could not find it in the jungle This gave me a fine apportunity to observe the Slight of the Jungle Cocks, which is strong and swift. I found them hard to hit and lough to Kill. October 26, 1903, Captain Langhorne, M.S. army, shot at a Jorgle Ceock, at Glan, southern Mindanao. November 12-26, 1903, On the island of Sulu, the Jungle #6 Ceocks were heard crowing ou Ut. Sulceman Leveral Wood, who rode ahead flushed one from a grelley in the one of many open cogonals near the mountaintop. I uphill very swiftly and strongly alighting in the grass for above us. It looked brucket like a Growe.

3 (Sheet II.) 3. Gallus gallus (Linnaeus). Jungle-Fowl.
Three Cooks flew weross a river near
Mucas, on Sarangani Bay, northern Mindanao,
February 16, 1904. Flebruary 16, 1904. Many Cocks heard on the hellside behind Santa Maria, northern Mindanao, P.J., February 17, 1904. as usual, they would stop crowing when approached closely and task vigorous flight in the direction of the densest part of the forest-jungle. I found the Jungle Fowl common on the island of Cagayan Sulu, in the Dulu Dea, P. J., February 25 and 26, 1904. On the 25th several were flushed from a wooded hillside and an old rooster was shot but could not be recovered owing to the nature of the ground Dome were seen on densely wooded slopes, others in open or rocky grass land. On February 26 one hen seen Numerous at Collabato, in the Rio Grande Valley of conthern Mindanao, March 3-5, 1904. Ceaptani Van Home showed me a specimen from Island, off the mouth of the Rio Grande, which may have been an bylovid between the Jungle Cook and Mound Bird. abundant at Pantar and Lake Lanas, in aug. + Sept., 1903. as I node from Camp Vicara to Malabang, Uludanao, april 11, 1904, many cocke now heard crowing. Noted at Dsabella, Basilan, Jan. 19, 1904.

3 Vallus gallus (Linnaeus). (Sheit III.) Jungle-Fowl. Noted all plong the route from Parang to Lake Butig, Frough Cararao Pass, Sept. 30 to Oct. 6, 1903. Some seen and shot at, at Ilan, southern Mindanao, Octobre 26, 1903. noted at Davao, southern Mindanao, July 15 to 20, 1904 One was shot at San Ramon Harm, 15 miles northwest of Zamboanga, March 23, 1906. Wild Jungle Frowl are abundant there. I'll down at " intar Mindanao, in any .; 111, 1100. Mungle four were abundant in the Litingen balley, east of Cotabato, southern Mindanao, March 12 and 13, 1904. Madalum and Banganan River, South Coost Range, Mindanao, Sytamber 30 to October 3, 1903. Plangs to Barak, Riv Drande Valley, Ulindanao, March 7-11,1904-Doranaya Hort, March 11-13,1904 Ade's plantation to the River, eastern Windanas, april 27,1904 Woled on the Bacoco River, a bributary of the Consan, in eastern Mindanas-, May 4, 1904 agusan Ruza, from Pilar to Jetiva, Meind., May 6, 1904. Patrocino lo Varicella, Aquean River, Mindanao, May 7, 1964. Ban ban River mean Wamp Hotomberg, Luzon, Mov. 28, 1905 Vivin Peaks, Bued River Valley, Luzon, December 1, 1905.

Lallus gallies (Tinnaeus). One was seen on the adual summit of Mount Hanto Tomas, about 7 feet, Benguet Province Lugon, December 10, 1905. (Balandbrig, on the northwest shore of the Island of Jawi Jawi, P. J. Manuary 6, 190 ( Tadsan, Hoors horle, Luzon, January 17, 70%. Livo were seen on a trail over the sand hills before an Lavagand Vintar, Hocos Horte, Luzon, January 23, 1907. Onefocon in a trail near Javay Lake, Thorns Morte Grownice Luzon, January 27, 1907. Que secum the road south of the Bojeador lighthouse, Llocar Norte Province, Luzon, Hebruary 15, 1907. Burdott Manganese Mine, extreme NW. point of Luzon, February 19, 1907. The jungle-four was very abundant around Nagharlian, Hoead Norte, Luzon, February 15 to March 9, 1907. Not infre = = quently some would appear with the domestie fourts on the playa; and horice of saw a blaish domestic han go out into the jungle, following a brail for meanl, a mile to met her lover - a wild jingle-cook. Several were seen in the road between Bojeador light and Pasuguin, Hocos horte, Leryon, March 9, 1904. a how and 4 chiells were collected at me shot near Courrina, Hoeos wite, Luzon, March 13,1907.

Vallue gallus (Tinnaeus). Mintinger, during & open is residence mear Princey, in the highest part of the isenguit beginned, and ene at or wear his piges; but his water had not so. Men project his the in This review, in harda ; loved " are our continued on the sport the set Danto Vornaz, Bouquet. (Luc. som at the spring on Mount &) anto Jomas. Aban. = dant signs at annumit of Danto Tomas, Dec. 3/and Jan. 1,1907. alletide of seem lit Noted on the stope of Mount Mayon, Legarfie side, up to 2500 feet, altag Province, Luzon, march 28, 1907. "Cocks crowing; abundant." Abundant at Casiguran, east crast of Luzon, James 1, 177: Baler, east wast of Lugar, fine I Hedare of Mount Mayon, mear Habaco, albay Province, Luzon Hay 4 June 4 and 5, 190%. Very abundant on Huga Valand, P.J., May 29 and 36, 1907. Young checks were seen with the hous. Notes when taking flight the same as Those of the Comestic cock and her. Telds, like the process of the island, largely whom fruits . Elwen (11) Scarce, breause so many mares are worked by the Mangyanes on The Haleon between camp 3 and 5, Nov. 12-17 and 25-28,1906. Levels heard erowing and a few birds flushed. attitude 2250 to 4500 few.

Dallus gallus (Tinnaeus).
Balut Island, Sarangani group, January 23.17. Camp No. 2, west of Isabella, Basilan Island, January 25, 1904 Count No. 1 to Count No. 2, interior of Basilan Id., Feb. # 1901. Count No. 2 to Count no 3 (at Tipe Liper), Basilan, feb. 15, 1966 Count No. 4, on the Buli Buli River to Ceamy No. 5 south Basilan, February # 17,1906 Comp No. 8 to Camp No. 9, north Basilan, February 2; 190: Henry Museer's plantation, 2 miles west of Deabella, Basilan Island, February 22, 1906. Mr. Deacle, Joeman, U.S. Mary, Stationed at Isabella, Basilan Island, Knilly sent me a breautiful pair of jungle-fowl, traffed near doolella Basilan, March 19, 1906. Hull description of the unfeathered and with measurements, are entered in me, field notebook of the Second Baselon Mapping Edwin Bud Dajo Peak, Dulu Island, October 11,1906 October 17,1906, I trought a stool cock from a Vagbanoa natrie at a village 5 miles inland from Bona Bona, San autonio Bay, east Palawan Golo to Maimbun, Bud Dajo, Crater Lake and Deet. Luke, Lula Island, March 1 and 2, 1906. (14.1) un la Princesa, out Palawan, Deplember 11, 1406, Gir, us con Willer stronged me string collected by research Mouring of the Hospital Coops, U.S. Cing; and Frances Martin, of Priesto-Princesa, informed and That jungle fourt are abundant in that vicinity. In fact Daysant Menning sent me 3 fine living cocks to Januarya

The horizof Bambounga (downy young). (Sheet VII.)
Totaly mook Bah - his (house diferen), Bagoho name fordomestic fowl. Thatampaya Dound, and Island, September 12,1906 four jung a -cooks were sent me from Purito-Princesa, Valuran Island, by Jergeant & manual Mero man, Hospital Ceorps, U.D. army. Suling, east a hora of Davac Sulf, Southern Mindanao, June 12,19014. 6 oco feet on Met. Opo, Mindanao, June 17, 1904, a little blicken was heard peoping and was caught by Hurman: 710. 13412, & juv., etc. Roosters crowing on hilltops around Comp Goodfeller on Mount apo, Mindanao, July 3, 1904

Survix sulvensis Mearns.

This 3-told Quail was frist described when marching across the island of Sula, from Hassanista Mais soft a. They fly up from the grass much like the Windows Quail. On the march across Dela Island, from Mpaix colla to a crup at the foot of lorater Mountain, Movember 15, 1903, many wer flusted from Minime. In our forage against moros from this camp during Alu Clays following a great many of to the Lucil were it shed. It is truly abundant to a Some wice nem around Mt. Sulinean, Newwith 19 and 20. Noted at Saglibi and Jolo; Name 12 21, 1300, Iwo were a not at Jolo, November 25 and 26, 1903. One (No. 13141 fad) Specimen The sored. Downtimes flushed in wit marshy places, again on dry uplands where grass or guain wired affind ever. Jolo to Maimbun, Bud Dajo, Coraler Lake and Dict Lake, Julie Island, March 1 and 2, 1906; several fins !!

(Sheet I.) Dien nig whitcheads Grant. Several living of seemens were obtained in the Manila market, pist before I left the P. J., and mude juto the mise.

Wish-uk (Igoroles of Benguet). (Sheet I.) (Hurnix ocellata (Deopoli). Baguio, Benguet Province, Luzon, December 1-12, 1955 Base of Santo Towas Peak, alt. 5500 feet, Benguet Province, Luzon, Dec. 19,1905.

One soon on a early Nidge better an Lacagened Vintar, Hoen Morte Province, Luzon, January 23, 1907. Livo were in the Road, midway believes in Javag and Vintar, Flores Norte Province Luzon, January 24, 1904.

One at Savay Lake, do "tet many 5,"

One pair inflands, hills between Lavageur (Vintar n. 7, " One mand avila, flocos horte, Luzon, February 15, 1907. Deveral were some in the road from nagfartiante Bangui, in the extreme north of Luzon, Hebruary 15 to Mara. 9, 1907. They always ran into the forest jungle, where I abot one from the roadside, Hebruary 96,190 of Others were accasionally blushed from the grass mean wooded files were most frequently found at the hills, to which they would after fly todays of pools surrounded by grass

One expessed the road of Bojeador light, Floros Norte Luzon, March 9, 1907. Exuming my inidiance at Haight printer the value, in The monthing border of Benguit the hee, Lugen, I must ino quail; but occinil une brought ine by nature gorde, who said it was not une from you ; and Mer platin niformed me of its occurrence ut Muneocan in Charte.

Pro-nel, Bagobos of the west shore of the Duly of Davas, 8. Osmotreron axillaria (J. R. Fron). Philippine Dreen Piaron. O wounded male was brought in from Wercedes 9 miles east of Bamboanga, March 25, 1996, by Captani James P. Jerry, engineer corps, U.S. Cermy King as a pet Small flocks were seen on the Malala and Numbawata mires, on the trail from Buluan to Simpitan, Mind, May 23 and On, theting some caves and Moro shaels on the rocky shore at Malizam, southern Mindanao, Leveral Wood ordered a Canding. With a Moro for quide, made a brief exploration of a steep ravine and prombed my first acquaintance with This Exactlyeel Prylon . In the deep carryon its guitural gunging was heard from the lope of tall trees. I fired into a tree 150 feet in height, filled with Prigeons, and trought down one whose crop was felled with bernies about the size and shape of the red could bear of Al. Texas "Laurel" One was a hot on the Cabasaran River. sonthern Mindanao, P. J., January 30,1904. when hundreds were feeding on the fruit of tall trees that crownhung the water; also in flooks on the Cabasaran River and of the residence of Datto Sales Hasin two miles from it and six miles in the interior. One shot at Bambounga, april 1, 1906.

(Sheet II.) Osmotreron axillaris Bonaparte Philippine Green Jigeon. These brids were quite numerous about Zamboanga Mindanao, O. J., in small flocks, along streams, Ludwig in treetops, January to Opril 9, 1906. Many were shot for the table. a tame one, Nept in my house several works and then transferred to the Landoanga 200., was gentle, and purred like a eat when stroked, in the wing. His wanderings were restricted by a string attached to one foot. The amount of Good (banana and papaya) that it consumed was remarkably large. The slift feathers of flanks reminded me of partlets dropping outside the chanks. Its alleledes were very uncon= = ventional for a Vigeon, and it continually ruffled and preened its feathers. a becatiful part! The region of southern Mindanao, east of Colabato, lying between the Deranaya Marsh and Labar on the wifeer course of the Libringan River much resembles the prairie country of central Thorida, mostly of Lake Okeechober. The making cogenaix are uniterated by narrow strips of heavy limiter in the creek bottoms and interspersed by mor account mounds of tall trees, in which this progeon was seen

(Sheet in) Osmotreron axillario Bonaparle (Prange to Basak, Rio-Grande Valley, Mendanas, Pharen 4-11,1900 Olde's plantation to the River, eastern Mindanao, April 27, 1904. Holed on the Bacoco River, a tribulary of the (lyusan, in castern Ulndanao, ) Hoy ? (A Thingali, on Mu lown Bacca River and thouse to Compostela on Mu agusan River, May 5, Abundant on Me upper agus au, below Comportela in the interior of Mindanas, May 5, 190% Agus an Kuri frond Tilar to Jaliva, Mindanas, May 6, 1904 Latte X vina to b) alace gon, Cegusan Valley, Mindonar, 1:1 In Mora Hoste Peromine, Luzon, I found This Oferies only in the vicinity of Currinac. Kong the, Moros of Besila. Paloma, Filipinos of Basilan. Camp No. 2. to Camp No. 3, Basilan Island, January 29, 1906, When one was collected (No. 139 1. Camp No. 5 to County No. 6, south Basilan, 16 Vicinity of Malusa, west Mendoro, February 19,100 Having Musser's plantation, 2 miles west of Isabella, north Basilan, February 22, 19.

Six shot, 38 freemens (14411-13), on Foran (opposite Ubian) Island,

October 12, 1906.

7. Osmotreron vernans (Linnaens). Link-necked Green Pigeon.

Moted at Pantar, Mendanao, august 1903 One pair was seen on the Rio Grande above Cottabato, Mindanas, Cotoloria, 1902.

Flock of five (5) at the header of a wooded ravine ni a cogonal at Makar, Barangeni Bay, southern Mundanco, October 26, 19: 3

Major-General Leonard Wood, U.S. army shot a frair at & Ilan, southern Unidanas, October 26, 1913.

an Comotreron (like no. 13143 fad) was found in abundance on the island of Sulu, November 12-26,1903. Some were seen about Cerater Mountain, November 15-18; on W. Sulieman, November 20,1933; Some of these may Never been O. vermans and others Q. axillaris. ] common in the

Mills Wahred Jolo, November 21-26,1900

At. Jamboanga, Mindanao, S.J., December 2, 1903.

Noted on Sanga punyan Island, off Bandroanga, Mindanao, about 12 miles east of Jambounga, Deceru= = Von 11,1903; specimen collected December 19,1903, when it reding on berries of a tried war, another another 4 cornary 2,1904, on Pangefungan In

(ShutII.) lick-meeke Green Sigeon. 7. Osmotreron vernans (Linnaeus). I found this Orgeon abundant at Mercedes, 9 miles east of Bamboanga, Mindanao, December 19 and 20, 1903.
Two were taken from a nest similar to Meat of the
Mourning Dove in the U.S. It was in a small tree, about 15 feet above the ground. The parent let upon the nest while I was picking up a Cuckoo shot in the same tree as this next. When its saw me, it carred down, report the ground and in the tops of the tall grass and werds. Deen at Buluan, opposite Buluan Taland, southern Mendanao, P. D., January 31, 1904.
Noted on the Cabasaran River, Mendanao, Jan. 31, 1904. Noted at Davida Maria, northern Mindanao, February 17, 1904. (Phundant at Cottobato, conthern Mundanao, March 3 to 5, 1900 It was quite numerous along the Buluan Peuer, which May 20, 1901; more numerous, and in small flocky May 21, 1904, as we approached Lake Buluan. On the upper part of the river the operico was quite runingers. Common in the woods bordering the Malala and Numbawata rivers, on the trail from Buluan to Simpitan, Mindanao, May 23 and 24, 1902, also at Diripitan, Ma, 24 and 25, 1904

Osmotreron vernans (Linnaeus). Pink-need Green Sigeon. It was again observed, when descending the Buluan River, from Buluan to as far town as Pandog, May 27, 1904 Noted at Placer, northeastern Mindanao, april 20, 1904 " " Bacuag, " 21, " 21, "
" Surigao, " " 21, "

Cloundant at Dambounga, Jan. to Opini. 1906.

Capt. Deorgi J. Sanghorne shot 2 at Mercedes, Ulindan. = ao March 28,1906. Ciyala, april 24, 1906. William Windaws . in aug. 4 Solt. 1902 (Plenulant between the Roranaya Marsh and Labas, in the Libergan Valley, east of lookabata, in southern Mindanao, Maych 12 and 13, 1904. (Prange to Barak, Rio & Frande Valley, Ulmianas March 7-11,19011. (Pde's plantation to the Oriver, eastern Mindanao, Opril 27, 1904. Hoted on the Buoner-King, attributary of the (Cyuvan, in Lastern Illindanat, Maye, also at Vingali, on the Jower Bassea River, and the nee to Compostela, on the Cegusan River, Way 5, 1904.

Osmotreron vernans (Linnaeus). agusan Rier from Tilar to Pativa, Mundanar, May 6,1900. Lake Linar to Talacogon, (egusan Valley, Mindanas, Camp Jossman, Island of Tuinaras, December ? ; Large florks, near Lavila, Flores Norte, Luzon, Viebruary 15,190%; feeding on fruit of medein sized trees. Burdet Manganeselline, extreme VM. point of Luzen, February 19,1907. In the region surrounding Naghartean, in the northern extremity of Luzon, this oficees is extremely plentiful, and affords good short. During my slay at Naghartian, many were seen in the village, usually in fairs, though a score or more were somtimes. Husbed from one of the small trees for whose fruit Owere then feeding. Ofher, were mostly paired; but four That I brought down at one discharge were all males. (Obundant; flocks at sealevel between Bojeador and Pasuguin, Hocos norte, Luzon, March 9, 1909. Its note is a hollow booming that reminds one of the notes of the concals. Vilitot Springs, near Tibi, southeastern Luzon, Juni 3, How in the truiber zone on the base of Mount Mayon, Tabaco side, June 4 and 5, 190%. Bode, Thoras Isabella, Basilan, January 27,1906. Camp No. 4 on the Buli Buli River, To leavy No. 5, south Basilan, February 17, 1906.

Conotreron vernans (Linnaeus). Coamp No. 5 to Camp No. 6, south Basilon , February 18, 1906. Camp No. 7 to Camp No. 8, interior of west Basilan, February 20, 1906. Ceamp No. 8 to Camp No. 9 (Musser's), n. Basilan, Feb. 21,1906. Henry Musser's plantation, 2 miles west of Irabella north Basilan, February 22, 1906. (I large peries of males (only) from Waypartian Glocos Worte Province, Luzon (northwest corner of Luzon Island) was compared with males from Mindoro, Bohol, Culion, and Valawan islands. No difference was discovered. Dibutu town, west coast of Dibutu Island, January 7, 1906 (see Jemale specimen). Common at Siatu, Diasi Island, January 9, 1906, When one was collected. East Bolod Island, Dulu Dea, January 10, 1906 Jolo to Maimbun, Bud Dajo, Ceraler Lake, and Diet Lake, Sulu Island, For March 1 and 2, 1906. Ceamp no.4 , west coast of Basilan, March 3, 1906. Malabang, southern Mindanao, March 15,1906. Captanis James P. Jervey and George J. Laughorne shot some of these birds at Mercedes, 9 m. E. of Jamboanga, routhwestern Mindanao, March 16, 1906.

(Shutri) (Smotreron vernans (Linnaiux). Ayala, western Mindanao, Ougust 27, 1906. Donale the following niele: " Look over my Osmotreron oking from the conthern islands to accing any are Os motheron corrette, which has be an found on Bongar, Sibutu, and Dulu islands." Inlug, east shore of Dava & helf, southern Mindanas, June 12, 1904 Cooning loudly at Davas, routhern Mindanas, June 13, 1904. Tagulaya, wrat shore of Dava of Sulf, routhern Mindauno, June 14, 1904. Davar, southern Mindanar, July 19,1904.

Thafitreron leveolis (Demninox).

On at 2000 feet, on the slope of Mount Mayon which daces Legaspi, Celboy Province, Luzon, March 25, 1904.

One, on the Naujan River, eastern Mendoro, March 25, 1904.

Subaan to Benibi River, Mindoro, Nov. 2, 1906.

Benibi River, Mindoro, Nov. 4 and 5, 1906.

Subaan, east coast of Mindoro, December 5, 1906.

Specimen: No. 14533. gad. Jubaan, eastern Mindoro, Diesember 5, 1906.

Sahg-goo-rō, Bagobos of Mount apo, Mindanao. Thatstrong mothyphia Barriote. Erethyst Drown Pigow. Lee-mon, Dubanos of De Rimandullas Bar, Mindowar. "The specimen of Phopitreson a methysteria shot by me in the lowlands of Mindanao ( see list of. specimens for dota) was called Lee-mon by the Subanos. Its erop contained the fruit of the Too-loong' (Subano). Je ollected a specimen at Pang pang, out uman = quilas Bay, southern Mindanas, August 15, 1906, which is the only one I have met with in the low country. Comparent with those from Malindany and Opo- His is to. 14302. Lec- mon Suland aflanghong. Dumanquilas Bay, southern Mindanao, august 14,1906. to ereprentained the fruit of Noo-leans (Sulars). Those shot near Cam! Goodfellow, at 6000 feet-altitude had their crofs more or less filled with the berries of Atu tree mystele, called Boo-el Kah'- yuh by Bagoboa.

Lee-mo-kuhn, Bagobos of Mount apo, Mindanas. ( Phabotreron me is nothis divisidore. estort-kielia Brein Procon. Swell "brown Pigeons", respected to be This ofe - cies, were seen at Malabang, D. Mindanao, Oct. 7 to 9, 1903. noted at Buldwig, Ortwern Parang and Lake Butig, Midanao, October 1 and 2, 1903. Two were seen on the Buluan Diver, connecting lakes Buluan and Liguasan, May 21, 1904; others were seen on the trail from Buluan to Simpitan, May 23 to 26, 1904 Not abundant. Inbarg River, northern Mindanao. - april 22, 1904: "Small sepia-brown Doves" were noted. One of these Pigeons was shot at Wercedes, 9 miles east of Jamboanga, March 17, 1906, by George J. Langhorne, 11th Pavalry, Usa. Woled in the South Coast Range, between Parang and Lake Butig, October, 1903. Lake Maint, mortheastern Minidana, Ofice 24,1904. Mumerous on the trail from Baganga to takristian ade's hemp plantation, Jon. W. of Bagana, april 26, 1904. Olde's plantation to the Hever, Castern Mindanao, Cepril 27.1904

(Sheet II.) (Phabolicion brevirostris Awarddale. In a Mandayan house at Candoos, in the Wast Coast Range of Mundanao, Voaco m a wieker eage the sacred bird of the Mandaya speople - the present spicers. The faleful voice of this little brown pigeon exerts a pour rful influence upon the destinies of the Mandayans. Observed along the Backer River from hear its source in the west side of the East Coost Range of Mindanat to the Markin, are village of Vingaliat the month of an offluent of the rame name. One was shot on the sandy: shore of the Agusan River, about 10 miles below Composteta Mindanas, May 5, 1904, by Colonel Harbond. We were so hungry that it was domanded for the pot, and I had no opportunity of skinning it. Noted at Jativa Agus an River, Mindanao, May 6 and 7,1404 Maliva to Partrocino, Cegusan River, Ulindanao, May 7, 1904. (Butut I stand, Duranganie group, Cetoter 8, 1406. C'uc shot by teaplani Halstind & orein, apparently this opions Burengo, Coatubig River, north Samar, Cetober 1, 1906. Golo to Maimbien, Bud Dajo, Cerater Lake and Viet Lake, Dulu Island, March 1 and 2, 1906.

( Sheet 111.) Phapitreron brevirostris Twenddale. abundant at Todaya, on the west shore of the Gulf I Davar, Oouthern Mendanar, June 14, 1904, when I collected a maled pair (nos. 13500, 3ad., and 13501, 4ad). This is the carred bird of Mr. Mandayas, and I think also of the Bagobos: "Little overed Dove abundant of Jagulaya, pair out side by side when shot at once." Davao, southern Mindanao, July 19, 1904.

(Phapitreron brunneiche Bauns and Worcester. asabella, Basilandsland, January 26. 1706. no. 13933 was shot, February 1,1906, between County No. 5 and. the Cumalarang River, Basilan Island Camp No. lo to Ceamp No. 76 man Sipo Sipo, in the interior of Basilan Island, February 2, 1906; No. 13935, Fad., as leased Near Sipo Sipo, interior of Basilan Island, February 3, 1900 Camp No 1 to Camp No. 2, interior of Basilan Id., Feb. 14, 190% Earnf No.2 to Camp No. 3 (at Vipre Lipse), to Basilan Id., Fit. 15, 40%. Henry Musser's plantation, 2 miles west of Doabella, Basilan Island, February 22,1906: sometimes, in thickets at the forest edges or in old plantations covered by second growth; but very often they were in the gloomydepthes of the heavy Lorasto of the interior There are 3 species of I hapitreron on the Island of Basilan. I collected the two smaller species (about the size of brevirostris); and the Gregor got the larger one (about the size of amethysterius).

(Sheef I.) Phapitreron and the second of the Arms of the Between Vsabella and Musser's ranch, on the Island of Basilan, January 28, 1906, I noted a small Jugeon of this genus having spots of white mit Several seen, January 30, 1906, man Camp No. 4, Basilan Island (nov. comer). Noted in northwest Basilan, between Camp no. 4 and Camp No. 5, January 31, 1906 Isabella to leamy No. 1, interior of Basilan, Feb. 13, 1906. Camp No. 7 to Camp No. 8, northwest Basilan, February 20,1906; No. 13969 collected. Comp No. 8 to Camp No. 9 (Musser's places, north Basilan, Feb. 21,190 Only seen in northwestern Basilan, where it is not as common as Phapetreron brunneiceps; but I saw a good many of these pigeous, usually in thickets at the forest edges or in old plantations covered by second-growth Trees. Home were seen at Mr. Henry Musser's resi-= dence, 2 miles west of Isabella, north Basilan, Fibruary 22, 1906.

(Sheet I.) Leucotreron, 18. Philopus (occipitalis III, R. Stray). Tee-boor-oang, Bagobos of Mount apo, Mindanao.

Lucotreron Clancheri (Bonaparte). Sward were seen in eages in the town of Warts Domingo de Baseo, Satan Island, May 27,1907 The the Hier of the Mindanao berought two of Them abound the ship May 28,1907. Fris dark red. Bill yellow with a spot of red on side of mandeble at base. Feet purplish red, with purplish brown claws. Eyering plumbrous. Front half of head gray-green. Point of chin black. Plumage of upperparts, micheding wings and tail, grass green. Under tail-coverts buff, Thighe striped as in Osmobreron . Breast with the ohn acteristic generic mark of blockish Underfarts grayish green mixed with whitish in median area. Iwo living specimens of this fugeon were brought aboard the olip in a cage bey the second officer, who refused to part with their. Asome jour seen on San antonio Bay, near the Moro village of Bona Bona, east Valuan, October 17, 1906, when Specimen No. 14448, Fad., was collected. Iris cherry red. Bill yellow, red on sides of mandible at base. Heet vinacious; claws plumbrous.

Loc-vow ( hilly is of good rough). (Sheef I.) Stilopus Shi Cotreron banqueyensis a.K. Toyar, Lea, I tried to shoot two green-and-red Doves at once, but only got the Semale (No. 13371). They were Evoing saftly in a cotton tree in the yard of alloro house. Forwards wining of offers came to a mongrows swamp, where I heard the cooing of many of their lend February 26, a frair of them coad rofly in bamboo buside a Moro house. Both a lot with "aux," (Wos. 13383 a-e(/3384) General Leonard Wood shot one of there beautiful fruit Pracous at Zamboanga, but, as I was abject, it was not juice wie. Mer. Henry Musser shot one at his place 4 miles , east of Isabella, on The Island of Basilan, March 11, 1906. Leonard Wood, jr., shot one at Zamboanga, in Ward, 1906. I saw and heard many of them along streams mean Daniboanga, in april, 1906. Mar Trabella, Basilan Island, Jonnary 27, 1956.

(Sheet I.) 23. Carpophaga aenca (Linnacus). Vorcara (Sharish). Dreen Imperial Sigeon. Boo-oon (Moros of Lake Lanas). Nos. 12970-5; Paloma de Casa (Spanish and Viscayans of Mindanas) Bal-Inde (moros of Jamboanga). Unicerous on the lovers of part of the Rio Hearde of Mindancesdute numerous on the seland of Sulu, V. J., Normber 12-96, 1964. He tere mond at Der Lace; Henen, rendence; Kampung his iste en); plentiful an Cerater Mountain and surrounding butters, where its surprisingly land notes were heard from hovern = = box 15 to 18, 1903, expresaling about our to ; pluisful on Mt. Sulieman, Movember 19 and 20. Abundant on the Cabasaran Kwir, southern Mindanao, where some were shot, January 30, 1904, also fielding in large flocis about the residence of Datto Hasin, 6 miles inland and two miles from The pron. Moted at Camp Overton, November 9, 1904. Abundant, February 16, 1904, on two rurs that enter Darangani Bay, northern Ulindanao, at the Subano village of Mucas. Two were shot. Woled at Santa Maria, northern Mindanao, Fictoury 17, 1904 Hotel along the road grove Marchong to Comp Viene, March 31, 170

23 Carpophaga aenea (Linnaeus). Mrcand (Sheet II.) Many were seen on the island of Lulu, P. D., between & atto Wha's market at Bual and his residence, the was shot. This large Projeon humbles in the air in the manner of a "Tumbler" Pegeon, or, perhaps, more liste a Holeon de seending reposits prey, utterniq a loud sound booming as it descende ( clober 2, 1903, on the Ambal and Danganan rivers, north of Parang, Ulindanav, these Pigeous lere unnerous. Captain Frank R. Me Con, 3d Covalry, a. D.C., ni a journey from Take Buluan to Davao, saw a "great many" of these Pigeons in the Olip Kuri Valley, southern Illindanao, na May, 1904 and on the Dava or side of the divide in early fune Noted at Kudarangan, outhe Rio Grande, Unidanao, Warch 6, 1904. Noted on the Jaraca River at Galanan, april 6, 1904.
Observed between leamp Vieurs and Mulabang, april 11, 1904. Noted at Asalella, Basclan, January 19, 1904. Large flocks were seen feeding on the fruits of tall trees, on the wagon-road from Complican to Wataling Falls Mindanao, Deptember 29, 1903; and a few wire seen later in the day, between Malaling Falls and Malabang Noted in abundance from Sarang, Mindanao to this oumint of the Bouty coast mountains at Cararao Pass, Sept. 30 to Oct.)

23. Muscadivores āenea (Limaeus). Frem Omperial Vigeon. "Torcasa! Numbers were feeding on fruits of tall trees between Mataling and Camp Seven, on the Vicais - Molalary wagon-road, October 6, 1903. One was observed as it flew over Lake Liguasan, Min-=danao, May 18, 1904 (no others noted May 17-19). Some of these Vigeous were seen on the Buluan River, connecting lakes Buluan and Liquasan, Mindanao, May 21, 1904. at the Malala River, on the trail from Buluan to Simpitan, Mindanao, May 23, 1904, flocks were soon Between the Malala and Numbawata rivers, on the trall from Buluan to Simpitan, Mindanao, May 24, 1904, many were seen; also noted at Simpitan, May 24 and 25, 1904. Noted at Bacuag, Mindanao, april 21, 1904 Two seen at Surigao, northeastern Mindanao, april 21, 1904 Noted at Davas, southern Mindanas, July 15 to 20, 1904. Many were brought to me for the table, at Zambang, during February & March, and Opril 6, 1906. In April, 1906, I gave 4, from Basilan dd., to the Too. at Lambounga, Mindanao. Abundant at Salvas, mind. Aug. + Seft. 1903 Abundant at Salvas, in the Librargan Valley, cart of Cotabato,

(Sheet IV.) 23. Museadivores aenea (Linnaeus). Madalum and Banganan River, Joith Ceoast Range, Mindanao, September 30 to October 3, 1903. Riangs to Barak, Rio Grande Valley, Mindanas, March 7-11, 19011. Lake Mainit, northern Mindanso, april 24, 1904 One was shot at the prossing of the Baganga River, on the east exit coast of Mindanas, Mil 26, 1904 Abundant on the lower Baganga River. abundant, sometimes in large flowers, on the trail from Baganga to Cohristian (lides houp plan= = tation, Fruites west of Baganga, (sprit 26, 1904 Myriads of these large Sigeous were noted, beliveren (Ide's plantation and the River, eastern Mindanco, Capril 27,1904 On april 28,1904, we loft the River at 5:30 a. Tu. and arrived at a Mandayan village at 11 a. W. During this ardnows march through the Trimeval forest of the interior of Ulindanias very few birds notes were heard, and I was only able to identify this Projeon and the xtreat Mindana of voubill, both of which were about World on the upper Caled River; at Calalagan, castem Mondanao May 2 and 3, 1962 ablundant; 4 shot and eaven

Museadiveres wonea (Vinnaeus). (Sheet V.) ( Obundant on the Boroco River, a britalary of the Aguan, near Composlela, Mindanas; May 4,19 Also abundant at Vingali on the lower Bacoca River, Meny 4 and 5, 1904. Abundant, May 5, 1904, on the Agusan Kwir from Ceompostela to Vilar, Mindanao Many Slocks on Me. agusan River from Pelar to Dateva, Mindanao, May 6, 1904; especially munerous at the month of the Liberton Kirr at Jativa O'shot 4 for the table. Abundant on the agusan from Jaliva to Patrocino, May 7,1904. Abundant at Varicella, on the agusan River, Mindanso, May Your 8, 1904 Lake Linao, middle agusan Valley, Mindanao, May 8 and 9,1904. "Many" noted, on the agusan Priver from Lake Linao to Tala = cogon, May 9, 1904. Abundant from Ololaeogon to the mouth of the Libang Pliver, agusan Valley, Mindanao, May 10,1904. Capt. McCon shoton Agus an or Butuan River, Holow Butean, Mudanao, May 11, 1909 Two Spaniards brought in a number to Tabaco, albay Province, Luzon, march 29, 1907. Casiguran, cast coast of Luzon, June 1, 190: Tili Hot Sfrings, near Tibi, southeastern Luzon, June 3,19. Jown Dubaah River, Mindows, Nov. 2, 1966, June 3,19. abhindant; 4 shot alled eaven.

Baland, Boholano naturis of Bucas gd. (Sheet 4) Muscadivoves, ainea (Linnaeus). One, at Daving Lanang, east Damar, Oct. 3, 1906. Tohot one on Bucas Island, October 4, 1906, when many wire seen. Local name Baland. On the lower Catel Priver, last Meridanao, Oct. 5,1906, a few were seen; and Dr. Paul Ce. Freer shot 2. // Manay, east Mindanao, Oct. 6, 1906. · Several shot on Manuk Manka Island, Januaryto, 1906. Dibutu town, west coast of Sebutu Island, January 6, 1906. Baluk Baluk Island, January 10, 1906. Jolo to Maimbien, Bud Dajo, Ceraler Lake, and Siet Kake, Sulu Island, March 1 and 2, 1906. Hours were shot on Malaripa Island, in the Celebes Dea off Douth Mindanao, april 1, 1906. Panghang, on Dumanquilas Bay, southern Whindanao, (luguet 16,1906. ¿ Cabo Voland, Igat Bay, off south Mindanao, Opil 2,1906. 1. Hatima Island, Dumanquilas Bay, off S. Mindanao, april 2, 1906. Horeasa (tor-cass'-ah), Hilipinos of Zamboanga, fide Estrellas. In Malampaya Jound, of tad Palawan, Lorcasas 1. were seen flyning from islet to islet and one was shot, September 12,1906. Luling, east above of Davao Gulf, conthern Mindanao, June 12, 1904. Jagulaya, ex Estabore of Dulf of Davao, D. Mindanao, June 14, 1904, abundant; 4 shot and eaten.

11 (Sheet VII) Muzoadivores acnea (Linnaeus). & Bode, Moros of Basilan Island Torcasa, Filipinos of Basilan Island. Balut Vsland, Sarangani group, Jan. 23 and Oct. 8, 1906. Man Isabella, Basilan Island, Manuary 26, 1906. teams no.2 to leams No. 3, Bazilan Island, January 29, 1906 Tipo Tipo to Camp No.8, interior of Basilan Island, February 3, 1906. Camp No. 8 to Ta Mitan, Busilan Island, February 4, 1906. Dabella to Camp No. 1, interior of Basilan, February 13, 1906 Camp No. 1 to Camp No. 2, interior of Basilan Id., Feb. 14, 1906. Campe No. 2 to Campe No. 3 (at Tipu Tipu), Basilan Id., Feb. 15, 1966. at Pipu Tipu, Interior of Basilan Island, February 15, 1906. Two shot 2 miles couth of Liper Liper, Basilan Id., Feb. 16, 1906 Quite numerous, locally, between Camp No.3 (near Tipu Tipur) and Camp No. 4, on the Buli Buli Rever, routh Basilan, February 16, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906, when opicinen No. 13959 was collected. abundant in vicinity of Malusa, west Mindoro, February 19 19 Camp No.7 to Comp No.8, interior of west Basilan, February 20, 1900. Carup No. It to Ceamp No. 8, morth Basilan, February 21, 1906. Abundant near Mr. Henry Musser's residence, two miles west of Isabella, Basilan Island, Febr. 22, 101. Lower Catubig River, Burengo, near Ceatubig, north Samar; specinien shot by major General Wood, near Catiobia, all October 1, 1906. B'ad., was collected; also No. 14418; 3 ad.

macadionaly (Street I.I 25. Carpophage piekeringi Cassin.
Dickeringh Hruit-Pigeon. Miscadivora langbornei mearns. Tanghorne's Fruit-Pigeon. 1) have oven this large and delicious toble bird on East Bolod D sand ( Geturan Dulu and Mindanas), West Bolod Island, and on Cagayan Dulu Filand. Cexceedingly minicious on West Bolod Island, Sule Dea, between Jolo and Jamboanga, J.J., February 21, 1904, when lifteen were a hot for specimens and Aor the table. We found them excellent table brids. I teneral Wood afterwards visited East Bolod Island, Could found the Pigeon shooting even beller Than on West Tolod, obtaing 80 birds, all large Piegeons and the majority of this species. Many of these Sigious had the Steroat starried gellowish brown by the fruits they had later. Common on the island of Cagayan Sulu, J. D., Towney 25 and 26, 1904, When Caplain Laughorne I hat two one of which (No. 13387) was preserved. Dannie Island, Dulu Dea, January 4, 190 .... son 6 shot on Loran Island, of Ubian Island, October 12, 1906. Many seen in low tree growth. Ishot Two-No. 14416, 3 ad., was collected; also No. 14418, 3 ad.

(Shect II.) Muscadivores fielderingi Cassin.
Muscadivores langhorner Mearns Minimulais
January 21,1906. - Landed on Palmas Osland at 3 P. M. and remained witil 6 P.M. Islanted at once, as companied by a half dozen very ardent nature of the island, for the hill, where it began Museudwores Knighorner. The sulice franty to ought in 60 of them. & here al Wood gota. de zen with a emall-calibre sifle, and I 25 with shotgun. The pigeous were very laine, but strong birds. When shot, quite frequently they would ching fond down to the branch, head down, for some time moments before falling. Their note was a loud booming sound. Specimens obtained: -13888 Fad. Palmas Id., Jan. 21, 1906, [430; 750; 240; 160; 20; 34; 49. 13890 fad. do L & 13890 fad. do L & 20;735;240;156;20;32;46. 138-91 fad. do The above 4 specimens and two more set aside for but subsequently Thrown away, solored as follows: Bill pale bluish gray at tip, darker plumbrous at base. Tris red. Eyelide and feet, vinaccours. Bare pace surrounding eye pale plumbrous. Claws dusky fourflish me

(Sheet VI.) Muscadioores aenea (Linnaeus). Kah-poor', Bagobos of Mount apo, Mindanao. From Vagulaga to an allitude of 1030 feet on Mount apo, southern Windanao, June 15, 1904, one shot abour Cloone abling at 1900 feet attetude where a number som. Taliend Island, in the Gulf of Davno, Mindanno, July 17, 1904 Davao, southern Mindanao, July 19, 1964.

Mus cadvores occipitatios muchalis (Cabanis). abundant on Fraga Island, May 29 and 30, 1907. To Were shot by our party. Some were feeding on fruit in patches of serubouly a few feet from The ground. Notes three or more deep, hollow, owl-like hoots and a deep gutterral growl. Compare the 2 specimens preserved with topolypes in the U. D. Prational Museum. This very large pigeon produces an enormous, booming sound. Naujan River and Naujan Lake, Mindoro, March 25, 1907. Amdoro, March 25, 1907.
Lower Subaan River, Mindow, Nov. 2, 1906. Subaan, eastern Mindoro, December 6, 1906. Calapan, Lastern Mindoro, December 8 and 9, 1906. Speerinen; No. 1456.8. Sad Dubaan, eastern Mindoro, Dec. 6,1956

Mi na no carela de cojo le. May - will truit in. On august 24, 1903, I found a pair in the forest mear Pantar, altitude 1800 feet, Mindanao, P.J., and shot the female (No. 12938). It will This and those of Mount Malindang, Mindanao, were prof. = ally the new spices (Philocolpa Several were seen in the oak and cedar wood below Hu Dummit of Mount Davilo Tomas, Luzon, See. 10, 1905. at Alaight's -pin-the cake, most have Benguet, Luzon, Mr. Haight has seen one, during a residence of 5 years.

Jonophales poliocephala (Sheet I.) Doon-doo-ni (Filipinos of Lambon... Noted in Mindorg, March 25, 1907, on the trail from Naujan to Take and River Naujan. No. 13945. Fad. One of several (Isaw two) shot by a harty of soldiers, from Zambounga, in the mountains I the western peninsula of Mindanao, February 5, 1906. The men had 5 days hunting pass, and got 22 pigeousof all Krinds Captain Frederick V. Kring, 20th Jufanting U. J. Cirmy, sent for me to see Marce prigeons that had been sent him by the men of his Rompany. Iwo were this ofecies and one an example of Columba griscigularis. My spec. = men metastired: 420; 690; 220; 155; 23; 29; 45. Ino orange; eyelid, and bare space around eye, vinaceous; bill all dark plumbrous; feet orinson; claws grayish trown. The bird had been evereted, filled with salt, and parked in a soldier's Knapsack.

(Sheet I.) Bonophaps mindorensis (Whitehead). One pair at 3300 feet, on spur of Mount Halcon, Mindovo, Nov. 12, 1906. (above Mangyan clearing, near Carup 210. 4.) Whitehead's band-tailed fruit pregion. - One seen at Camp no. 6, allitude 6300 feet, Monty Holeon, Mindoro, november 20,1906. I was visiting Traps si Ah rain, and had no gun.

29. Myristicivora bienlor (Scopoli), Hitting Pigeon; Pied Imperial Sigeon. First seen on the island of Sula, P. J., november 15, 1903, on the Irail from Vipais present to Committee unites: No. 13/34. Fad. Mean Croter Take, Selw Island, J. J. November 18, 1903. Dris dark tragel. Bare Allin around eye plumbrous. Bell pale bluich gray tipped with fine. Feet bluich gray; claws plumbrous-black, with under surface of toes stained with wood color. General Wood found many of these large Sigeous in the forested furinel surrounding Crater Lake, at the semment of Crater Mountain; many were seen about thet. Dulieman. Iwo were recu at Caplebi, November 21 19,00. Several were occu in the hills behind foro, November 22 to 26, 1903. a good mary were seen between Datto Upa's residence and his marketplace at Bual, Sulu Island, P. D., February 21, 1904. Very aboundant on West Bolod Deland, in the Sulu Sea, betivean Jolo and Jaruboanga J. D., February 21, 1904 On March 20, 1904, Dehinal Wood and his staff shot eighty Orgeons on East Bolod Island (sometimes castle Rock), He all but two belonging to this species and Carpopleage priesconge.

29. Myristicinora bicolor (Scopoli). Mit Prim. This. This of Sciassi, P. D., in 1903-04, by Captain 7. L. Duith, 17th Infaulry, Usarry. ang. 17, Deur a matir woman land at Manila, P. J. with a living Pryeon of this stried, but did not find nut where it came from. Elias H. Porter, Contract Surgeon, Usarruy, mijorned me, Sept. 29, 1905, that he has seen this land on the Island of Mindoro; also in much Harina Id., I gat Bay, P. I. (of D. Mindanao), april 2, 1906 d'akinned Us. 14037 for Miss Laughorne. It contamied a full--dized egg. Zamboanga. They were caught with bird line made with Iresh subber at a drinking pool on the Island of Basilan. Sent me by Teakle. Calapan, Eastern Mindo ro, Lecember 9, 1906. Balut Island, Sarangani group, Manuary 23, 1906. Tipu Tipu, interior of Basilan Island, February 15,1906. Terumon and generally distributed on Sule Island, from Jolo to Bud Dajo Peak, October 11, 1906. usually uppear origing or wor france

(Sheet-III.) Myristicivora bicolor (Scopoli). 4 Nutneg Prizeous were shot by our party on Toran Island, off Wien Toland, October 12, 1906. Very abundant and gentle around the shores of Mree lanes in Cagayan Julu Island, October 15. 1906, when Mr. Horace Feleteter shot some for our ship's mess. Some were shot on Manuk Manka Island, Jan. 6, 1906. Sibutu Town, west coast of Dibutu Island, January 7, 1906, when some were shot and a male specimen preserved. One seen on East Bolod Island, Sulve Dea, January 10, 1906. Mumerous on Dulu Island, from Holo lo Mainebien, Bud Dajo, Crater Lake, and Siet Lake, March 1 and 2, 1906 Malanipa Island, of D. Windanao, april 1, 1906. Cabo Island, Igat Bay, of D. Mindanao, Cepril 2, 1906. Hateria Island, Dumanquelas Bay, off. S. Mindaua, april 2,1906. Cah-mass-oh, Filipinos of Bamboanga, Lide Estrellas. Many were seen on the shores and islets of Malampaya Sound, sat Palawan, September 12, 1906, when 2 were shot. One was in first plumage: Sattern like adult, with less flack on outer tail-feather. Back and wrings faintly washed with gray. In passing through Halstead Strait, among the soloneds of the Calamianes group, Sept. 13,1906, many were seen on trees and plying about the islands.

(Sheet I.) Columba griseignlaris (Malde Gran throated Word Pigeon. Surgard). One at Balor, cast coast of Luzon, June 2, 1907 I have shot the brid on West Bolod Island, between yolo and Jambo anga. Deneral Leonard Wood and others Killed them on East Bolod Island, in the Sulu Dia. We found many of these beautiful bronzy Orgeons on West Bolod Island, in the Sulu Sea, Ve obtarried 3 specimens. On a later day General Wood and the officers of his staff oblamed some of these Vigeoris on East Bolod Island ( sometimes Called Castle Rock), within view of West Bolod. a total bag of eighty (80) Projeous was made, all but two bring Carpophaga frekeringe and Myristicivora breolor Mithaight has found it save in the dry season sould more abundant during the raining season for sie in years hast. Mr. Haight shot one one fully 25, 1906%. \$18 has Hilled a munition of them for find, Atrongle usually appear singly or in pairs.

Be-low-agg, moros of Basilan Id. (Sheet II.) Columba griseigularis (Walden and Jayard) Thirteen (13) of these brantiful projeons were brought aboard the Mindanso alive, in cages, from Danto Domingo de Baseo, Island of Batan, J. J. May & 7 and 28, 1907. One of these I ofterwards preserved at Mais. Camp No. 3, sidge of 2250 feet, Mindoro, Nov. 8-12, Between Camp no. 2 and No. 3, Mindon, Nov. 8, 1906. Searce This with tremendous noise from treetop to treetop. Luite common at Camp ho. 5, alletede 4500 feet, Mount Holeon, Mindoro, november 13-17, 1906. Leite common at Campello. 6, altitude 6300 feet, Mount Haleon, Windoro, Nov. 17-22, 1906, Leveral Shot for food. When their wings are wit they flutter from treetof to treetop with a roar like a landslide. It was Jeeding whon large fruits of an undescribed species of Diplyeosea, a shrub pseudoepiphytic on morsy trees. a fruit, size 15 x 25 millimeters, is preserved in throat of bead preserved in alcohol (No. 14496, 8ad). Hlock of 3 noted near Camp no. 4, northwest Basilan Island, January 30,1906. No. 13 930 collected near Camp no. 4, northwestern Basilan, January 31,1906. The Basilan moros Called it "Bilanag" (Bè-low-ogg).

(Sheet III.) Columba griseigularis (Walden and Layard). One was shot by Several Wood on Lovan Loland (off Ubian Island), October 12, 1906. A spremier, No munder, 7, from Batan Island, was left ni the Bureau of Deience, on loan.

(Sheet I.) Bonaparte, 31. Macropygia Lemirostria VI. A. J. Stender-billed Circkoo- O'E. Dar-rah-book'- yahn, Bagobos of Tagula Todaya, on Ut. apo-Man-kah-hew-t-le, Bagobos of Tagulayayon the Gulf of Davao. Down were seen along the Buldan River, allows Lake Liguasan, Mindanao at at the Movo village of Buluan, near Lake Buluan it was quite numerous, May 20 to 23, 1900 ( buildont at ( houter Mindanao, in August & September, 1900) Moted at Baganga, lastern Mindanao, J. J., October 2. ..... Une pair Makar, on Sarangani Bay, southern Mindanao, October 26, 1903. West side of Lan Sanas, Mindanno, Noon in 2, 19 4. Some were seen on Ut. Sulvinan, Dulu Island, November 20, 1903. Seen at Zamboanga, Mindanao, S. J., December 2, 1903. In a feet of seventeen species of birda found on the island of Diassipi Diassi by Captain B. L. Smith, 17th Infantry, W. D. army, mention is made of a " wild pigeon that is lovown triged with green" which probably refers to this species. Moted 4 + Kudarangan, on the Rio Grands, Mindanao, March 6, 1904.
Hoted from Camp Vicine to Sawir, on Lake Lanco, Mindanao, april 2, 1904. again acen at Sarin, Copril 9 and 19, 19 11: Deen near Camp Marahmi, Mindanao, September 27, 1904. Some were seen Septembre 29, 1903, between Ceamp Vieare and Mataling Ralls, Mindanas.

Macropygia tenuirostris Bonaparte. Stender-billed Cueroo-Dove. On the trail from Buluan to Simpitan, Min-=dano, soon after leaving the Buluan River, May 23, 1904, many Cuckoo-Doves were seen in the timber which borders the tributary streams. Between the Malala and Numbawata rivers, on this trail, a great number of these Doors were seen; and it was quite numerous at Simpitan, May 24 and 25, 1904. Noted at Davao, southern Mindanao, July 15 to 20, 1904. Estrellos shot one April 6, 1906, at Zamboanga. Verij abundant at Carilar + L. Zanas, aug. + Sept., 1903. Common where trees grew in the from the Deranaya March to Let Labar, in the Libringan Prier Basin, Past of Cotabato, southern Mindanao, March 12 a. 113, 1904 (Parang to Dulig Lalles, across Douth Coast Range, Mindanao, Leptember 30 to Colober 6, 1903. Giange to Barak, Rio Y Trande Valley, Ulindonas, March 7-11,1904 Baganga to Colinstean (Ide's hemp plantation / miles west of Baganga, Chris 26,1904

noted on the Bacoco Privar, a Cribulary of the Cigus an River, eastern Mindanar, May 4, 1954;

(Shoet IV.) Sheet 111.) Macrofygia temirostris Bonaparte. Moled on the Agus an River about the mouth of the Libuton River, May 6, 1904 Patro pino to Varicella, on the agus an River Mind. Way 7, 1904 Vozorrubeo to Swin Peaks, Lugon, Nov. 30, 1903. Leveral feries were occur along the road of some Lavag to Dingras, Hocos Morte, Luzan, January 16,1907. Djugras to Padsan, do n 16, "; about 12 Deen, mostly in pairie. Drigga e to Lacay Ilocos Morte Province Luzon, January 18,1907.

Four, noted in Lacay Valley do no 20-22, ".

A Jew between Lacagand Vintar, Florer Herste Luzon " 23°424".

Dorral from Lacagand Paray Lake, do " 27,1907. One at Lavila Horos norte Luzon, Hebruary 15,190%. Deen, March 9, 1907, mear Bojeador and Davila Hoes Worte (On March 28, 1907, I moled at as " abundant as high as we went (2500 feet altitude), on the slope of Mount Mayon which faces the town of Legaspi, Albay Province, Lugon March 28, 1907. Pili Hot Springs, near Vibi, southeastern Jugon, Just, Common on Mounit Mayon, Tabaco, side, up to the upper timber line, June 4 and 5, 1907. albay Province, augo One shot, Nov. 13, 1906, at lowest Mangyan house in they ent Village on our route to the summit of Mount of alcon, Mindoro. altitude, where specimen was shot about 3000 feet

(Sheet IV.) Macropygia termirostris Bonaparte. On Basilan Island, between Camp No. 1 (Isabella) and Camp No. 2 (on the coast to the westward), this Cuekoo-Dove was not uncommon, Jan 28, 1000 Campe No. 2 to Camp No. 3, Basilon Island, January 2? 1100 Camp no. 8 to La Mitan, north Basilan, February 4, 1906 Camp No. 2 to Camp No. 3 (Tipu Sipu), Basilan, Feb. 15,1906; two sino: Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21,1906 abundant at Mr. Henry Musser's residence, 2 miles west of Osabella, north Basilan, February 22, 1906 Manay, east Mindanao, October 6, 1906. Many seen, 1 shot, Loran Island, of Woian Island, October 12, 1906 Old Spanish fort at Talan, Tawi Tawi Island, Captain Levrge Taylor Langhorne, U.S. arm, shot this Manuary 8, 1906. levid on East Bolod Island, January 10, 1906. Mimerous on Dulu Island, from Jolo to Maimbien, Bud Lajo, Cerater Lake, and Diet Lake, March land 2, 1906. Leommon on at Panghang, on Dumanquilas Bay, south = ern Mindanao, August 17,1906, when Tohot some. Cabo Osland, Dyat Bay, off south Mindanao, africa, 1900. Ayala, western Mindanao, august 27, 1906 at Panghang, on Dumanquelas Bay, southern Mindanas, Timoy Imbing, Datu of the Dubanos called this bird Kahn-tah-lin'-tahl. Sulug, east short Davao Sulf, southern Mindanao, June 12, 1904

(Sheet I.) (Streptopelia) .32. Durtier (clus umneri (Semminek). Dussumier 3 Furtle-Dove. Mah-nah'-tod (Moros of Zamboanga). Hoted at Camplicans (3000 At, april 1, 1904), anci 31,190; Cobratant at Carelan, Marshar, and Jakeman, Musiker King Doves were abundant from the mouth of the Rio Drande up to Lake Ligna san, Colotre 18, 19, 19103. Numerous at Marcar, on Barangani Bay, southern Mindanas, October 26, 1903. Noted at the Moro village of Malejam, south in Mindanao, October 25, 1903. This Dove was found me abundance on the island of Duly, November 12-26,1903. It was noted at Sect Lake, Canglina Hassan's place, Cerater Michaelani, Upar prince, on the from Upa's exita to Carater Windows and about the mountain, on Wit. Bulisman, Common along the brack from Taglibi to Joio, Viovember 2: 1903. Abundant at Julo, November 21-26,1903. Seen at Bam bo anga, Mindanao, P. J., December 2, 1903. Noted on Pangapuyan Island, off Mindanao, about 12 miles last of Zamboanga, Secunder 11, 1903. Seen on the Cabasaran Biorr, southern Mindanao, Jan. 30, 1904.

(SheetI) Onepopelia humilis (Sem nincok). Hom Carrinao la Laray, Llover noile, Luzon, an January 14, 190%, it was very abundant; usually mi paira; sext defference ni color lasel, differentiated; La orang hairs were dusting thouselines in the wagon hood La orang River, below the lown of Lavay, Luzon, January 16, 1957 Abundant from Laragto Dingras, many disting Mouseleres sin Alex Road, January 16, 1907. Very numerous from Dingras to Padsan, Hoeas Worte Province, Luzon, January 17,1907 Dozens of pairs wire dusting in the roads of som Dingras La Jag, Aloeos Norte Province Luzon, January 18, 1907 Several pairs seen on shore of Paray Take and trail to Large Hoeos Norte Province Luzon, Cobruary 5, 1907. One on the road, between Langand Vintar, February 7, 190; On Thebruary 15, 1907, when I travelled from Lavag to Naghartean, Horoz Norte Province, Luzon, I found this species a bundant all the way. Moually in pairs, as many as 6 to 10 were sometimes seen together in the road or mi a tree. Some searcely moved from the road as we drove by, waiting until the briggy was almost whom them. Abundant in Naghartian Plocos Norte Luzon, Hebruary 15 to March 9, 1907. Menally seen in pairs, after in the streets of the village.

32. Furtur dussumieri (Terminer). Foundat Tambigan, Tambigan Bay, southern Mindanao, February and 2, 1904. numerous at Dipulog, northern Mindanao, P.J., Flabruary 14, 1904, when we shot short for our table, at Lubungan, northern Mindanao, February 14,1904 Noted at Alegan, northern Mindanao, February 15, 1904. ( Woundant, one shot, at the Dubano village of Sindan= = gan, on Sindangan Bay, northern Mindanao, February 16, 1904; also at Mucas, " Abundant, two shot, on the island of Sulu, P. D., between Datto Upa's residence and his market at Bual, February 21, 1904. by Captain J. L. Smith, 17th Dragantry, lescere, Woted at Mudarangan, on HuRio Grande, Mindanao, March 6, 1904 Noted at Camp Vicari (3000 ft), Ulindanao, april 1, 1904. Visted Loom Camp Vicars to Sour, on Lake Lanar, Midanas, april 2. 1900 Some were seen april 5, 1904, at Malungan, on the Laraca Orver, and very many mean the revermonth; noted at Galauran, on the upper course of the river as less common than on the lower stream, April 6, 1900. Il good many were noted at Basayan, Laste Lanas Basin, april & and 9, 1904 Moled at Sauer, on Lake Lanas, and Thener to Comp Vicans, april 9 and 10, 1904; ngain a Uprais, april:

Justur dussumieri (Temminek).

Dussimier's Turtle-Dove.

41. Hyprotocomidia torquata (Linnaeus). Since III a number were seen in the road, between, Pantar and Marahui, Mindanao, Soplember 27, 190%. This Dar was mimirous at Comp Vrears (allitude about 2900 feet), September 28 and 29, 1903; and some were seen (one shot) between Coup, Vicors and Mataling Halls, Deplember 29, 1903. Clesered at Malabang, D. Mindanao, Cet. 7 to 9, 1903. Deen at Parang and Buldung, Mindanao, Popt 30% Oct. 2, Noted at Lake Buteg, Mindanao, October 5 and 6, 1903 Shot at Ilan, S. Midanao, October 26, 1903. ( Jairs and small flocks were seen feeding upon floating driftage on Lake Lignas du, Mindanco, May 17 1904. On the 18th, a flock was seen, feeding on floating vegetation on the lake, and many others were seen during the day (Numerous May 17 to 19, 1904.) May 20, 1904, at Butuan, on the Buluan River, Mindanas, this openes was noted as abundant, and mulbers were seen on the trail from Buluar to Simpitan, May 23 to 26,1904, especially on the Walola, Num-=bawate, and Dim'-my-gall-ee rurs, and at Smilitan. Many Deen, and one ohot, at Bourag, northeastern Mindanao, april 21,1904.

Turtur (Streptopelia) dussumieri (Temminck). Dussimier's Turtle-Dove. One was seen, november 5,1905, at Caurte, near Marieta, (9. 15). about 40 were ohot by Ceft & Mifs Laughorne at Mercedes, Mindanao, P. D., March 28, 1906. Always abundant at Jambonnga, Windanao. Many ohot at Clyala, Mindanas, april 24, 1966. Virgori dant at Pantar + L. Lanco, aug. + left, 1903 World in abundance from the Devanaya Morsh to Labas, east of Coolabato, southern Mindanso, Unarch 12 and 13, 1904 Piange, to Barak, Rio Grande Valley, Ulmidanso, March 7-11, 1904. Holed from the Derunaya estero to the mouth of the Rio Grande, Mindanco, March 14, 1904, morte, in "One," moled at Varicella, on Me agus an River, Mundanco, May 7, 1908. Many were seen from a train on the Manila And Dagupan Railroad, britisen Manila and Camp, (station Bayambang) 29 and 30, 1904.

Aregin Duly 29 and 30, 1904.

Liquitinant Hordon shot a number at Camp Dregg, Pangasinan Province, Luzon, July 30, 1905. Jan Vaidro, Nueva Écija, Ruzon, Nov. 27, 1905.

(Shoet Y.) Surlur (Strepto pelia) dussumieri (Semminex). Dagupan lo Vozorrubeo, Sangasinan, Luzon, nov. 30, 1905. I Jued Priori Campon to Pozorvubro, Luzon, December: 4.900 Comp Jossman, Island of Lhimaras, Decuter in the southern extremity of Sebutu Island, January 5, 1906, when our party shot some of them for food. Very numerous; many dusting in the road from Carinao to Laray, Llocos Norte, Luzon, January 14, 190%. Larghiver telour the tour of Large, January 5, 1907. LavagtoDingias, flocas Morte, Luzon, Jamary 16, 1907 (Moundant from Dingras to Jadsan, Horos Korte, Luzon, Jaw. 17, 1904. Dingras to Larg, Hoers Norte Province Luzon, January 18, 190%. Abundant, Lavagto "", do Fibr. 5, " " Maghartian, do " 15, " abundant at Naghantian, do Fitr. 15-March 9, " Common from Bojeador to Lavag, clo March 9, 1907 Of few below Nagillean, on the trail between Baguio, Benguet and Camp Wallace, La Union Handety 1907. Camp Wallace, La Union I rovince, Luzon, Flant 20 to 25,190%. Casiguran, last coast of Luzon, June 1, 1907.

(Sheet-VI.) Turtur (Streptopelia) dus sunieri (Semminek). Baler, east coast of Luzon, June 2, 1907. Pili Hot Springs, near Sibi, southbastern Tuzon, June 3, 1907. Base of Mount Mayon, Tabaco side, albay Province, Luzon, June 4 and 5, 1907. Eight were shot by our party on Huga Island, P. J. May 29 and 30, 1967. Very common, Mouth of Baco River, and Dubaan, Mindoro, Nov. 1, 1906. Subaan and Subaan River, Mindovo, Nov. 2, 1906 Sarangani Island, off southern Mudanao, Jan. Basilan Island, between Camps land 2, Jan. 28, 1906. Camp No. 2 to Camp No. 3, Basilan Island, January 29, 1906. Toamp No. 3 to Camp No. 4, Basilan Island, Jan. 30, 1906. Camp No. 4 to Camp No. 5, Basilan Island, January 31, 1906. On shot at Jamboanga, Mindanao, February 11,1906. Deabella to Camp No. 1, interior of Basilan, February 13, 1906. Buli Buli River to Comp No. 5, nouth Basilan, February 17, 1906. a few were seen on Dulu Island, between Jolo and Bud Dajo Peak, October 11, 1906. Many seen, 1 shot, Loran Island, off Wian Id. Oct. 12, 1906. Near Bona Bona, San antonio Bay, east Valawan, October 17, 1906. Balambing, Tawi Tawi Island, January 6, 1906.

(Sheet VIII) Turtur (D'broptopelia) dus sumieri (Tem minek). OSiasi, January 9,1906. Munerous on Dulu Island, from Jolo to Maintown, Bud Dajo, Crater Lake, and Diet Lake, March land 2,1906. Camp no. 4, west court of Basilon, March 3, 1906. Colabato, southern Mindanao, March. 15,1906. Malabang, southern Mindanao, March 15,1906. Captains James P. Hervey and George J. Langhorne, Usarmy, shot some of these birds at Mercedes, 9m. E. of Lamboung a, Douthwestern Mindanao, March 16, 1906. Thatas Sand, Jgat Bay, off routh Mindanas, April 2, 1906. Ayala, western Mindanao, Chuquet 27,1906. Chego Deland, Wiele Alea, September 10, 1996; numeroux. Dound, west Palawan Island, Defilouter 12, 1906 The resort to the petty islate of Malampaga Dound at sunset to roost for the night. On a very amall islet lowere shot at blusk of surning as they came in to roust. Its land vooing continued until ofter dark. At Primping Station, near Manila, Ligar, Defelenber 17,1906. Sulug, east shore of Dava o Gulf, southern Mindanao, June 12, 1906 Davao, vouthern Mindanao, July 19,1904.

(Sleet III) Onopopelia humilis (Semminek). Abundant or all harts of the route from Naghartian to Lavag, Hoe or Norte, Luzon, March 9, 1907. Its note is a low-fitched, hollow, scraping sound similar to that of some from frogs.

(Sheet I.) Deopeier striata ( Linnacus). Barred Fround -Dove. at Manila, Jugon, P. J., august 17 to 21, 1904, d'after Saw them setting in pourson the felegraph-wires, or in the July 26 to august # 1904. - This fretty Dove is alfundant mi the City of Manila. Its note is a tremulous baratone évoing. It fuquents trees and open grassy places such as courtyards and parks, speriding a good deal of time upon the ground. During the mouth of September it beame more numerous, and its cooning was continually heard. It is most abundant on the outskirts of Manila, but is formal wherever there are trees and lawns theroughout the city. Cooring in numbers at Manila, November 10,1905. Marita, P. D., August 17 to Veplember 15, 1901 Noted at Manula, July 26 - 29 and July 31 to aug 4,1905 Railroad, Grow Manilagte Coamp Fragg, July 29 and 30,1905.
One was a not at Camp Dreac, Pangasanan, July 29,1905. San Isidro, Mueva Ceija Province, Luzon, November 27, 1905. Camp Stolsenberg, Luzon, November 28, 1905. Mear Pozorrubeo, Pangasinan Inovince, Luzon, Dec. 14, 1905. Dagupan to Mayambang, " " 15. "
Parkmer public equacos of Marida, January 12, 1907.

Peopelia striata (Linacus) Common from Courrinao to Lavag, in Hereox Horle Province, Luzon, January 14, 1907. Lavag River, below Lavag, January 5, 190%. & Coundant and continually heard on the road from: La vagto Dingras, Ilver Norte, Luzon, January 16,1907. Aboundant from Drigger 2 lo Paasan, Hoose Perre, in 19 Hom the bank of the Lavag River, below Lavag, on January 19, 1907, the plaintive notes of this little door were always heard in the distance, in tamarined trees and bamboo back from the river Common in the Laray Valley below Laray, January 20-22, 1907. One Somale was near ovipositing. Lavaglo Vintar Lake, Floros Morte, Luzon, January 23 aud 24, 1907.

" " Pasay " , do Hebr. 5, ".

Common from Lavag to Naghartian, Plocos Morte Province, Luzon, February 15, 1907; ulters a sad, tremulous sooing. (Doundant at Naghartian, Horas horte, Lorgon, 406.15 To March 9,1907; most numerous in old feelds, and wendy yards in the native village. On March 9,1907, its plaintive cooring was heard all the way from Mayhartean to Lavag, Hoeos Norte, Legon No. 14726 f. was setting on 2 eggs which are presented. White, immaculate. These measure: 22.5 × 17 and 24× 17.5 mm.

(Sheet 111.) Geofielia striata (Tinnaeus). Descending by trail from Baguio to Camp Wallace it was not seen until Nagillians was reached, tuanda 28,07. Camp Wallace, La Union Province, Luzon, Heart 20-25,1907 No. 14326, Sad., collected at Pumping Station, near Marula, Deplember 17, 1906. Unnerous in the Mariquina Valley around the Manila Pumping Mation September 17, 1906; one collected. Taytay and antipolo, Rizal Province, Luzon, September 21, 1906 Dovernor Gotton Sound this species abundant, at times, at Davas, Mindanas; but we could find none of them during July, 1904. I work viere, that we not a 11/11/11

. Sheet 7 To hall phaps modeca ( Timaens). This How the wind from Dar. Men-ah-tod, Bagobos of Mount apo, Mindanao.
Mundanao, July 15 to 20, 1904 Noted in large flocks, feeding on the ground, at Davas, southers Major-Duesal Leonard Wood, U. S. Cermy, shot a male (No. 13118) at Ilan, southern Mindanao, Ce= = tober 26, 1903. I saw no others of this species. a four were seen at Malabring, D. Mindanao, October 7 to 9, 1963. Noted at Surigao, northeastern Mindanao, april 21, 1904 "One very dark green and (maroon?) small Pigeon" was noted, on the Tubay Kriver, northern Mindanas, april 22, 1904 One was shot at Mercedes, I miles east of Bamboanga, March , 1906, by Caplain James P. Jervey, engineer coops, U.S. army I wo were sent me from mean Zambounge, april 3, 1906. - Lai baz, ext of Colabatio, southern Mindanas, March 12 and 13,1904. Dagufran lo Vozorvubro, Pangusinan, Luzon, Nov. 30,1905 Between the Bued River Coangon and Pozo rrubio, Die. 14, 1905. not nucounou from tempinar to Laray, in the province of Mocos Morte, Liezon, January 14, 1907. Some were decisting in the wagon hoad. Many duting with road, at the way from Lang to Ding vas, Ilocos Morte, Lizon, January 16, 1907.

35. Chalcophaps indica (Linnaeus). Indian Bronze-winged 2002. Laray too Nag partian, Olvers norte, Luzon, February 15, 1907. Muniters of these heelly Dovas are mared by the natures, ni the vicinity of Bamboanga, where they are often sept alive in cages as pets, or offered for sale in the Vistedby Capitani F. R. Me Coy, 3d Covalry, a.L.C., from the alip Krier Valley, Entwern Lake Buluan and the Sulf of Davar, in , 1904. Jativa, agusan River, Mindanoo, May 6 and 7,1904 Moundant from Dangraz to Padsan, Hooos Norte, Luzen Profeet January 17, 1907; dusting in road; out, flees when of froading by a group of horzeness, and minudeately drops back into the road. Abundant, as manyax six togetter, from Lingias to Lavay Hocos Norte Province, Luzon, January 18, 1907. Lavanto Vintar Lake, Horos Norte, Luzon, Jan. 23-24, 1907. Moundant on the trail from Laray to Paray Lake and near the shores of the lake, Filternary 5,1907.

(Sheet III.) Chaleophaps indica (Linnaeus). The few that where seen at Nagharlian, Flocos Norte (Growines, Luzon, on February 15 to March 9, 1907, were in woodland bordering Ragparlian Cereck. Com mor from Maghartian to Lavay, Flocost wrte, Much 9, 190%. On May 36, 1907, Major-Teveral Leonard Wood shot two on Fuga Island, P. J., where it was noted as "common." Mear Malusa, west Basilan, February 19, 1906. Camp No. 8, northwest Basilan, February 20 and 21, 1906. Musser's place (Camp No. 9), 2 miles west of Isabella, Basilan Island, February 2-1 and 22, 1906. Captania James P. Jervey and George J. Laughorne, U. D. army, shot some of these birds at Mercedes, 9 m. E. of Jamboanga, sonthwestern Mindanao, March 16, 1906. Mahn-ah'-tod, Hilipinos of Zamboanga, Lide Contrelias. Dulug, east shore of Davao Sulf, southern Mindanao, June 12, 1904 Chalcophaps indica (Limaeus).
Noted March 25,1907, on the trail from Naujan to the Naujan River, eastern Mindoro; also on the Naujan River and Lake Naujan, the same day.

in much , ,

Doon-doo-ni, Filipinos of Zambounga, Lide Estrella . 40. Calõenas nicobarica (Linnaeus). Nicobar Pigeon. Quite numerous on Baluk Baluk Island, January 10, 1906. caged a Vicobar Pigeon from a Moro. I do not now that this bird was taken on Cagayan Sulu, as the man from whom I purchased it told me Mat a small Island off Cagayan Dulu held a great many of them. From others I learned that, on an island Jive leagues distant from Cagayan Dulu, Nicobar Orgeons are abundant. Hraquently Kept in capturity. Two were in the Manila Zoologieal Park, August 17, 1905. (live was seen in the forest near Count no. 8 and the month coast of Basilan Island, February 3, 1906. Wy attention was attracted by the falling fruit which it detached from a tree; and, presently it flow out with a loud flapping into another tree: Jaiang lour Huean guide) called it Joaq-sak-i; but I think that native name is usually applied to another bird. On Furnindao Island, off Ditanki, October 13, 1906 a good many were blushed from the ground. Flew like a hen, and alighted 20 to 30 Leck ahead in thick tree growth 4 Were shot, all young birds, with no white. Some seen had, white tails. Splecimen: No. 14420, Ejew.

(Shut I.) White ir Whilish Pigeon, smaller Than Myristicivoras bredor (Scopoli), was noted February 25, 1904, by Capt. Laughorne, W. sarmy, in crossing the island of Cagayan Dulu. Denor Mariano de Lion, Presidente of the island of Cayayan Sulu, also informed me that "white Pigeons" were found on the island. Senon Mariano de Lion, Presidente of the esland of toagryan Sulu, had seen four species of Prigeous on the island. Que, three usre seen by us.

44. Rallina euryzonoides (Lafrenayi).

Jolo, Sulu Island, P. D., November 21-26, 1903. It was sometimes Elushed from the grows on Lighting

(Sheet I.) Poliolinenas sineraus (Vicillot). CA TARRENT OF THE PROPERTY OF THE Vicillot's Rail: Kah'- Nec- Kah- su'- loh (Meros of Bantoanga). noted at Vaniar, Wind, in way, + sept., 1403. Hoted on Lake Lanas, in august + September; ". Hundreds of small Kails, probably mostly of Mis species, were seen on Lake Lignasan, and several along the marshy banks of the Rio Hannie, Mind nav, Ottobre 19,1908. Mumerous in the marches and ricefields of Zambounga, Mindanao, J. D. December 2, 1903. Small Rails were numerous in the marshes at Iligan, northern Mudanao, February 15, 1904. iloted at Cottabato, Rio Grande Valley, Mindanar, Manch 3-5, 1904 "Little dark Kails" moled at Kudarangan, on the Rio Strande, .. " (o, ... a small, dustly Rail" was noted at Malabang, March 31, 1904. Noted from Douir to Rogayan, on Lake Lanco, Copric 3, 190; a few were noted on the Taraca River between Galanan and Basayan, south of Latte Lanao, Mindanao, October 546, 1903. Exceedingly, numerous on Lake Liguasan, Min = = danao, Mar, 17, 1904, caekling with the Waterhers wery = where in the grass. They are direct during midday, turning up Towards some

(Sheet II.) Poliolinenas cinercus (Vieillot). Viellot's Rail. Abundant on Lake Liguasan, Mindanao, May 18, 1904. Called Tee-cling' by the Visayan Filipinos of Bamboanga, and ahm-pat! (or ahm-pot) by the Moros of the Rio Frande Valley and by Ht the Malays. May 19: The brds of vegetation on Lake Liqueson are the homes of mysiads of these Kails. (abundant May 17 to 19, 1904.) Also abundant on the Buluan River, May 20 and 21, 1904 Numbers were seen, May 21 to 23, 1904, running along the riverbank, at Buluan, amid patches of loties and amartwerd. Its ordinary eall note is skitt-you, skittyoo. When alarmed it becomes Skee-e, skee-e; re-- turning down the Buluan Priver, from Buluan to Sandog, May 27, 1904, this species was seen in great abundance Abundant in a marshy fresh-water pond, at Durigao, northeastern Mindanao, aprilac/1904. Ayala, Mindanao, S. D., Copril 24, 1906. Visit to the state of the state Libringan River Valley, east of Colabato, amitteen Mindanao, March 12 and 13, 1904. (Trange to Barak, Rio Grande Valley, Mendanas, March 7-11, 1904 Common on the Subay River, April 22-24, 1904 Lake Minnit, northern Mindanao, Opril 24, 1904 Tubay Rwin, between Jabanga and Santiego, N. Mind., apr. 24, 1904

Polistim nas ginereus (Vieillot). "Little brown rail with green legs" noted on the Agusan Kwir, Mindanao, near Variockla, View, 8, 1955-Abundant on the large lakes of the middle Agusan Calley, midanas, May 8 and 9, 19 Dan Vridro, Mueva Écija Province, Leizon, Nov. 27,1905. Camp Stolsenberg ", 28, "
Near Pozorrubeo, Pangasinan Province, Luzon, Nov. 30,1905. Currinaoto Lacaq, Sloces Morle Luzon, January 14, 1904 Lavage Wir and Javay Lake, do and Horrist, Juson, January 16, 1909.

Lavage River and Javay Lake, do 277 is

very abundant around Pavay Lake.

Bacara, Floros North Province, Luzon, February 15, 1957.

Maghartian, do Hib. 15 to March 9, "

Common on the streams from Maghartian to Lavag,

Parah 9 1907. March 9, 1907. Opari, northern Luzon, May 29, 1907. Casiguran, gast coast of Juzon, June 1, 190: Pilifort Springs, near Tibi, southeastern Luzon, June 3,1907. Abundant on Naujan Lake and Naujan River, eastern Mindoro, March 25, 1907. Isabella, Basilan Island, January 27, 1906 One shot at Zamboanga, Mindanao, Fibruary 11, 1906. Malusa, west Bosilan, February 19, 1906.

Poliolimnas cinereus (Vieillot).
Camp No.8, morthwest Basilan, Heb. 20 and 21, 1906.
Camp No. 9, at Musser's plantation, 2 miles west of Irabella, Basilan Island, Hebruary 21 and 22, 1906.
Very abundant at (Doren's eaugh, Jan. 30, 31, 1906), west coast of Basilan, March 3, 1906. One collected, Malabang, southern Mindanao, March 15, 1906.

(Sheet I.) Amaurornis olivacea (Meyen).

On on the slope of Mount Mayon, Legaspi side, at 15 00 feet altitude, Albay Province, Lesson, March 28, 1907. Diatri, Siasi Island, January 9, 1906. Lumping Mation, near Manila, Luson, Deplember 17, 1906.

La Rospa (Sheet I.) Huaurornis : iènieura - Forster). White-breated Water-hen or Carake. Bing-Ko- mong' (moros of Lake Janas). No. 12926 Sad. Dal-le-quack (Felipinos of Cagayan Dulu).

Prangs to Barak, Rio Strande Valley, Mindanar, March.
7-11, 1904 hat all the many and the second of the second (I specimen of amourornie (Mornicura?), No. 13150, Ead., was shor at Julo, Dulu, P. J., November 76,1903. Several others were seen there from November 21-26, 1903. One shot (No. 13364 fad.) February 25, 1904, for the island of Cagayan Sulu, Sulu Dea, P. J. Several Were seen and beard in a nipa swamp. Father tater in the day, a large grassy basin containing a poud was examined, and meering of these birds were foundthe One specimen (No.13391Bad.) was preserved from There.)

Sein al Milion. Sugnal Moted at Basayan (mean Ragayan), Lake Luneo, abil,

Several Selmon dry, grassy hills around brans (3000 d. ), Colprid 1, 1904. Que shot. Many had losse shot by officers of Vicaro forthe taile. Some flew up from the edge of the road, believen Pantar and Marahii, Mindanao, September 27, 1904. Seen on Lake Liguasan, Mindanao, May 17 to 19, 1904. Seen at Surigao, northeastern Mindanao, april 21, 1904

(Sheet II.) ( Emaurornis phornieura ( Horster). A few were seen on Lake Mainit and the Tubay Rever, April 22-24, 1904. Usually seen on feebbly shores, running into the tall grass and vines when alarmed. This ofceres should stand: (Imaurornis phoenieura (Gennant). Dallinda phoeniourus Pennant, Indian Boology, 1769, fr. 10, fl. IX. Naujan River, eastern Mindoro, March 25, 1907. One shot at Jamboanga, Mindanao, February 11, 1956. Near Dabella, Basilan Island, February 13, 190. Malusa, west Mindoro, February 19, 1906. Camp No. 4 (Dorey's Jan 30, 31, 1906), west coast of Basilan Usland, March 3, 1906.

(Sheet I.) 52. Dallinula Morhen (Linnaeus).
Waterhen; Moorhen.
T-r-r-ruck (Moros of Take Lanco). No. 12956. The Waterhen is abundant on the Island of Guarn. Waterheus were seen in abundance on Lake Li= = quasan, Rio Grande Volley, Vilindanas, Con. 19, 1918. Worth side of Lake Lanao, M. Undanas, November 3, 1903. Oue seenat Zamboanga, ", Jecember 2, 1903. On the Cabasaran River, southern Windanao, January 30, 1904. Tio Grande at Collabato, souther, Mindanao, March 3 to 5, 1904. by rebundant on Falle Lanao in aug & Self, 1 abundant at Souir, on Lake Lanao, Mindanao, april 2, 1904. noted from Souir, on Lake Lanco, to Rogarjan, in the Jaraca Valley, april 3, 1904. Numbers were seen and some shot on Taraca River from Malingan to the rivermouth, Cepil 5, 1904.

A few were noted at Basayan , and Lake Lanco, Windanso, Opril 8, 1954. Shot for food by General Wood + Coft. Wo Coy, at Pauir on Lak Louis, While 9 and 16, 190; The, were abundant and tains; often alighted on the Nank grass, or stood up whom the plain; where-estimes. Captain Francis J. Diviter, 28th Infantry, Usarmy, shot Deptember of these birds, on Lake Lando, Mindando, P. J. Deptember 27, 190 & They proved to be good food.

n (Sheet 11.) 52. Gallinula chloropus (Linnaeus). Waterhen; Moorhen. Many were som along the margin of Lak Lando. Mindanao, September 27, 1903. (I brundant, several shot, at Lake Bulig, south of Lake Lana, Mindanao, Octobre 5 and 6, 1903; also noted at Datto Grande's place, Cetwern Lake Butig and Vicars, Mindanso, Oct. 6, 1903 Very abundant on Lake Liginasan, Mindanao, May 17, 1904 These biras are heard cackling on wary side during the early morning; but, during the heat of the day, the Kail family is not much in evidence, but times of towards sunset how and cookles and checks until dark the present species producing its share of sounds threse with much fluttering, and Many alights in grass bushes, and trees, emitting noisy cattles, especially at evening and during the night. May 18: The Waterheus are innumerable on the lake and are very attractive birds. They are moisy cacklers; to them I attributed many of the strange sounds which issued from the march vigetation. We also found Her Waterhen abundant on the Buluan Rivel, con-= neeting lakes Buluan and Liginasan, May 20 and 21) Its notes are about the same as those of the Omerican Florida Vallenule. abundant on the Buluan River and Lake Buluan, Mindanao, May 22, 1904. It was

Vallinula chloropus (Linnaeus). Waterhen; moorhen. Au Buluan River, from Buluan to Lake Liguaran, May 27, 1904. Quite numerous on the Jubay River, northern Mindanas, april 22 and 23, 1907 Clyala Mindanas, J. O., april 24, 1906. (Rings to Barak, Rio Krande Valley, Mindanno, March 7-11,190 I io Frande at mouth of estero which drains the Seranaya Marsh, March 14, 1904. Some were shot on Lake Mainit, northeastern Mindanao, April 24, 1904; also on the Subay River, betevern Jabanga and Dantiego The Jame day. Abundant on the Suboy River and Lake Maint, afril 22-24,1904. In dissending the Agus an Ruer, Mindeman, nous were seen until Varicella was reached. It was very abundant on Laste For Linao, Ogusun Valley, Way & and 9, 1904, where the Visaganz call it Talana obig. ( ne was shot of Latte Line !! Abundant and vary noisy, from take Tinao to Sala= = cogon, agusan River, Mindanas, May 9, 1904. Une shot, many seen, at Jimanez, northern Windanao, May 12, 1904.

(Sheet IV.) Lallinula chloropus (Linnaeus) Many were seen along the Magula and Lagupan Railroad, between Marula and Cam Gregg, July 29 and 30, 1905. Several were seen on Frinidad Lake, allitude about 4.500 feet, in Benguet Province, Lugon, Dec. 3, 1905. Ponds between Currince and Lavag, in the province of Hoeos Norte, Luzon, January 14, 190%. Abundant, six shot, on Vintar Lake, Horos Morte Jan. 24,1907. Hundreds on Pavage Lake, Horos Morty Luzon, January 27/1907 One on a slough of the river at Naghartian, Hocos horte Por, Luzan, February 17, 1907. Of soing were seen with Their parents, on Friedad Lake Benefuet (Growiel, Luzon, on May 6, 1907. (Doray's Camp 4, Jan. 30, 31, 1906), west loast of Basilan Island, March 3, 1906.

2 to The to (Shect 1.) 53. Hallierex einerea (Linclin). Kora or Water-Ceoex. Kahr'-rong (Moros of Zamboanga). , during august and Sept., 1903. Noted at Malabang, southern Mindanao, Warch 31, 1904: Several were som in dry, grassy hills around Vicars (3000 ft.), april 1, 1904. One shot, Many had been shot by officers of Vicare for the table From Comp Vrease to Sour, of the edge of Lase Lours, Copie 2, 1904 Noted from Souir on Lake Lanco to Rogayan in the Jaraca Valley, Cepril 3, 1904. again observed at Rogaryan, april 4, 1904. A number were seen along the Taraca II in from Mainigan to the rivermouth, april 5, 1904. Mary were seen at Basayan, mear Lake Louco, afri 8,1904 Lanao, Opril 10, 1904.

Several seen at Lake Briling, south of L. Lanao, Mindanao, Moted at Malabang, D. Mindanas, Detobre 7 to 9, 1903. Some were seen on Lake Liquasan, Mindayas, Ma, 17 to 19, 1904. Way #2: The Waterheus are processed the lake one very attractive birds, preferring drier ground. Piangs to Barak, Rio Strandelalley, Illindanao, Maich 7-11, 1904 Moted on McRio Grande from the mouth

(Sheet IL) Gallierex cinerea Latham. Oue shot at Ginanes, northern Mindanao, May 12,1904. Pili Hot Aprings, near Olibi, southeastern Luzon, Jan 2, 1904.

(Jun #71) 54. Porphyrio pulverulentus Tem minek. These noisy birds infested the Seranaya March, betier Barakand Seranaya, and were often seen flying at evening, March 8-11,1904 Om seen at Zamboanga, Mindanao, P.J., Dec. 2, 1903. Cight of these brailiful brids were peen in the awary of Caplain Coffin, N. novy; at the Pollow Naval Station a. a Dry Doek, Mindanao, P. J., March 2, 1904. a Moro offerred one for pale at Pollow the same day. Not seen on Lake Lando by me before Upil 5, 1904, when it was found in some numbers on the lowest portion of the Daraza Rivi. Two Don seen in the Joblogical Landens, Marila, Aug. 75, 1905. May 17, 1904. Lake Legisasan, Mindanao. - Many Deen. May 18: The Pupil Sallinules are innumerable, and very attractive birds. May 19: "The Purple Vallenule occurs on Lake Leguasan in vast numbers. It rises with much fleitlering and alights in grass, bushes, vives, and trees. It is a moisy eachler." In desending the Buleau River, from Buluan to Pandog, May 27, it was again noted. Some were shot on Lake Mainit, northeastern. Mindanao, Opril 24, 1904; also on the Lubay River, from Yabanga to Mantiego, the same day.

(Sheet II.) Torphyrio pulverule ulus Vem minex. Very abundant and noise on the large lakes of the middle Agus an Valley; on shot on Lakette Linas, Mindanao, May 8, 1904. Obundant and very noisi, from Lake Linao la Tolacogon , agus an Valler, Mindanae-, May 9, 1900. Leuval Wood shot one, and my Flocano boy shot one. Hound in abundance on Lake Naujan and the Naujan Rwir, gastern Mindoro, March 25, 1907. Q very noisy bird that usually keeps out of sight in the tall grass. Captains James P. Jervey and George J. Langhorne, U.S. Chry, shot some of these birds at Mercedes, southwrstern Mindanao, March 16, 1906.

(5/1:12) (Celymbus) 55. Jacky taptes phillipinensis (Bonnaterre). Philippinex X Freiz or Daberiek Oon'-dong (Moros of Zamboanga). When Ivisited Laxe Buluan, Mindanao, May 22, 1904, I saw no Grebe. When I visited Lake Legicasan, October 19, 1903, 9 saw no Grebes. Noted on Laste Lanas, November 2, 1903. ", " overtheide ", " 3, ". Captani Frank R. Me Loy shot me a specimen on april 9 and Deveral Wood another april 10, 1904, at Sair, on Lake Lando. O mumber of these Grebes were There of the Contract Durgeon John Hiers, USA and Captain Francis P. Diviter, 28th Infty, shot some of these Xseebes on Lake Lanao, Mindanao, Sept. 27, 1904. Several were seen on Lake Leguasan, Mindanas, May 17, 1904, frequenting open places among the numerous islands of floating grass, etc. On May I moted: "One Trebe seen close to the boat. Record of the day of Shebes, by hundreds, are seen in shallow, werdy parts of the lake, and are very tame. Ithink I saw a floating nest with both parent Strebes near it. Colymbus philippinensis (Bonnaterre).

Two whe seen on Frinidad Take, altitude about

4500 feet altitude, Benguet Province, Luzon, Dec. 3, 1905.

Plandant, 2 shot, on Vintar Jake, Howard State, Luzon, Jan 34, 1907.

Very mumerous on Taray Lake,

Lo

29 and 30 (Sicuraly Jah'-la Jah'-la (Moros of Zamboanga). Hydroch Pidon hybrida (Pallas). Million ed Wer. Bons in the free boomer of Luira, Mister Lound 114 1: Hydroeviliden sencoptera (Miciener and Deling). Write - Wingra Mach stern. Whitish derna, apparently of this genus were seen in great numbers feeding over the rice-fields and nærshes flanking Zamboanga, Mindanav, Celober 10-16,1903. One that I shot fell in a field of rankly-growing rice where I could not in the Many whitish Jerns were deen on Min Kio France, Mundanas, from the pursuouth up to Lake Liginaran, October 19, 1903. They had mottled, black-and-white crowns, and, on the lake, puched on coarse grass. No Xulls or terms were seen on Lake Lando Basen april 1 to 10, 1904. Lake Legnasan, Mindanao, May 17, 1904. - Hydro= chilidon hybrida appears to be brirding here. Bodies black, wings white. The Terns we saw on the Tubay Kwir, Mindanao, were evidently not this species, but, perhaps H. leneoptera or a Sterna. On entiring a large open space among the grassy islands of the lake, a great many H. hybida were seen and two shot. The

29 d 30 (Shut II.) Hydrochelidon hybrida (Pallas) and " leucoptera (Meisner and Sching). Ken-ah'-way (Visayan Filipinos of Bambranga). H. hybrida often alights on the grass, where Their wests may be. "The Terms (almost white) I used to see on the marshes of Zamboanga, Mindanao, were doubited like those recently seen on the Tubay Vliver, Mindanao, and not H. hybrida." Lake Legiasan, Mindanao, May 18, 1904. - Hydrochelidon hybrida assembled on some senna bushes growing mi the water, and made considerable noise. I saw one bead by to another on a bush and drop a fish into its bead. All had blackish bellies. Two larger whiteh Terns flew over the lake uttering loud harsh ever. These were smaller Stema Sterna bergie boreotes Barry: May 19: Hydrochelidon beybrida is seen everywhere on Lake Liguasan, and commonly alights on bushes. Hydrochelidon hybrida was abundant on the Buluan Peters from Lake Legiasan to L. Buluan, May 20 to 22 1904. On the 2/st I also noted "a larger Term with prese white breast", and, later in the day "plenty of White Terms, Note the largest (Sterna bergii boreolis Bangs) & pecies "
Some Hydrochelidous seen (young?) seen, on the Buluan Niver between Lake Buluan and the Moro vellage of the same

(Sheet 111.) Hydrochiledon hybrida (Pallas) and " lencoptera (Tucioner and Sching). Hydrochelidon hybrida was abundant on Lake Buluan, Mindanao, Vilay 22, 1904 On May 27, between Sandog and Lake Lignasan, a flock of 10, one, only, having white underparts, passed over the virita in which I travelled. a flock of Terns, all white below, numbering about a dozen, flew over Fort William Mc Kinley, Self. 23, 1905. Huy were about the Dize of Sterna hirundo. During October, 1905, these Terus were abun = = dant on the Pasig River and Laguna de Bay, Luzon they fly over the marshes and along the shores dropping suddenly upon their pray. One flork seen at sea off the 11.10, evant of Luzon mean Opari, May 26, 1907, Oppountly this species. Many were ocen about of the mouth of the Cagayan Herin, northern Lagon, May 26, 1907. Probably this prince Apari, mothern Lugan, May 29, 190%. Chaplain Joseph Celemens collected it on Take Tanao, Mindanao.

1. Shed 7.1 59. Sterna bergin Tichtenstein. Large Created Dern. On august 9,1903, Slocks of these Terns were seen on the Sulu Sea, off the north shore of Mindanao, between Zamboanga and Dapitan. about 60 were noted at Wali, non theastern Mindanio, achober 23,1953. Noted at the mouth of the Reo I trande, Ulmitana, a, October 19, 1903. noted at Davas, on the Gris of Davis, contiern Mindones Option 29, 1933. and Malaling, Mindanao, many of these Terus were sun, October 31, 1903. Deen off Malabany, southern Mindauro, Novemin 1 1903. Leen off Dulu Island, November 212-21/11 When sailing between Jolo, Sulu Island and Papa Island, P. J., November 25, 1903, floores of these Terns were seen feeding on schools of fish that our skyfer said were " Spanish masicerel." Dungdung Island, off Dulu, P. J., November 25, 1900. a pair was shot for the collchoir by General Wood. abundant.

boretis ida que (Sheet II.) 59. Derna bergir Lichtenstein Garden. Many were perched on Ater stakes of a Moro fish wier at Pangapayan Island off Mindanao about 12 miles east of Bamboanga, Fibriary 2, 1904.

Palso a flock at the growth of the Cabasarant ivers)

Noted at Bung Bung; (southern Mindauro, Jan. 30, 1904. noted of Buluan, southern Mindanao, January 31, 1904. I nouth of Cabasaran Kuir, southern " Wanga Island (Port Banga), son thern Mindanao, February 1, 1904. Fishing ni Slocks offthe island of Season, P. J., Fishing ni Slocks offthe island of Season, P. J., Sulu at that time. Hlocks of beautiful Terns pursuing the breaking schools of fich that broke the surface of the saile Sea, between John and Zamboange, 4 ebruary 6, 1904, with a back ground of beautiful cloud effects at dawn made a preture to the forever remembered. When a good-sized fish was caught the Tern would float on the water until it was eaten. On the Sule Sca off northwestern Mindanas, Fiebruary 13, 1904, flocks of These Terus were follow = nig schools of Spanish mackerel." at Dipulog, novemen Unidanao, J. J., February 14, 1904, many were settled repor a sandbar mear the shore. 59. Herna bergii Tichtenstein. and 21,9 Off the shore of Dulu Island, P. J., February 20/1904 large flocks were following achouts of horse mackerel. Secu in the Sulu Dea, off Mindanao, enroute from Jamboanga to Cagayan Delle, February 23, 1904. again saw may flocks feeding on horse mackerel;" Leturning, Fish wany 27, many others were noted. Hound at the island of Deassi, S.D., by both Captain J. L. Smith, 17th Infantry, U.S. army and myself. Pallok, Moted at the Marral Stateon, southern Windanas, March 2,1904 Noted at Doabella, Island of Baselan, and also a large flock off the east end of Santa Ceruz Island, Jan. 19, 1904. Pril 19, 1904 - Left Zamboanga for Surigao, Min= = danao, at 9 P. M. yesterday, Durning to-day a Lew large Terms have been off the north coast of April 20, 1904. - Saw a Lew Large Cerested Terus between survise and 11 o'clock, O.M., when we anchored at Surigao, Mindanao. Enormous flocks of these birds were seen about sand bars of the mouth of the agusan River, april 22, 1904, before the great hurricane of 1904, which occurred on the afternoon of April 23, 1904. Many Seen on Manila Bay, October 21, 1905.

(Sheet IV.) 3/a Dterna bergii boreolis Bangs Large Crested Torn. March 25 to 27, 1906. - On trip to Jolo, Sulu, many were seen on the Sulu Sea. At night some roosted on drifting luber mear duly Id. Many were seen on Jgat Bay, S. Mudanao, april 2, 1906 as we entered the bay of Margosa Jubig, Ofril 2, 1906, large Slocks were noted. When olipurreked in a small write in fambourge - Basilan Strait, Mr. Henry Musser was altecked in the water by hundreds of These birds, and pertirely burt by their sharp bills. They seemed to aim their blows at his eyes; and not until he covered his eyes with his arm and remembed quiet on the bit of driftage to which he clung did the cease their attacks. Connecting the Davida Cours Islands april 11, 1906. Probably the same flock that attacked Ur. Uluring Of ayala, Mindanho, J. J., Opil 24, 1906. Hooks were noted in Mudelle Lea, of W. Mindanat, Between Jambourga and Digan, ang 8-10, 1903. Butuan to Misamis M. Mundanas, May 11 and 12, 1014 Off M. Mindanao, from Camp Overton to Baliangao, May 13, 190%.

(Sheet V.) DI terna bergii boreolis Bangs. From Dapitan to Bamboanga, off nor thewestern May 14, 1904, Mindanao, some were often sem thing on drifage East of formosa, Depluber 17,1904, Inoled "one Sterna bergii boreotis, the only bird seen since leaving Os we entered Dan Bernardino Straits, on July 25, 1905, two were seen floating on driftage Moilo to Overlow, December 25, 1995 A few of Dammi Island, in the Seele Dea, January is wooded. Obrudant on the coval reefs surrounding three small inteless. islets lying of the south end of Dibutu Island, January 5,1906, when a trick was played on a member of the party who ate a tern under the belief that it was a price Many were noted in Manila Bay, Jan. 12, 1907. Currinao, Mocos Morte Province, Luzon Jamary 14, 1907 the wille cated asupar, along inverse weart of Luzon, Jeeu bri 12 and 23, a good man; were seen,! usually in flocks, following Schools of List Camp Wallace La Union I vouviee, Luzion, Beargh 20-25, 1907. abundant of the west evast of Luzon, believen Bojeador and Opari, May 26, 1907. Abundant of the mouth of the Cagayan River at Cepari, Luzon, May 26, 1907

(Sheet VL.) Sterna bergii boreotes Bangs. Os we steamed down the last coast of Luzon from Fruga Feland, May 31, 1907, some of these terms were seen. Off Baler, east evast of Luzon, June 2,1907. Many noted off Corregador Island, at the entrance to Marila Bay, March 24, 1907. Calapan, Mindoro, Nov. October 30 and Nov. 1, 1906. Calapan to Derbaan, Mindoro, Nov. 1, 1906, when hundreds were seen on fish wier stakes at the mouth of the Baco River. Gulf of Davao, Mindanao, January 22, 1906. Salut Orland, Sarangani group, January 23, 1906. Straits of Basilan, between the Sulu and Celebra seas, January 26, 1906. Off Basilan Island, between camps 1 and 2, Janu-= dry 28, 1906. a score of these birds were perched whom a Moro fish trap, in Northwest Basilan, between Camps 3 and 4, January 30, 1906. Off month of La Mitan Thirs, north Basilan, Feb. 4,1906. Of the beach between Camp Tro. I and Camp Tro. 9 (Mensser's platation), north Basilan, Heb. 21, 1906. Isabella, Basilan to Zamboanga, Mindanao (Basilan, 1/2,

( Sheet VII.) Stirna bergii boreotis Bangs. Off N. E. Damar, October 2, 1906. Ce few off the rivermouth at Tanang, east Samar, October 3, 1906. Immense flocks noted in Ourigao Straits, October 4, 1906 I Sucas Island, off n. E. Mindanao, October 4, 1906. En route from the Sarangani Islands to Zamboanga, in the Celebra Dea, October 9, 1906, many were seen. abundant at Toran Id., off Ubian Id., October 12, 1906. Turnindao Island, off Sitanki Island, October 13, 1906. Many noted in the harbor of Dandakan, Borneo, October 14,1906. Flocks seen on the Julu Dea, off the east coast of (Valawan Island, October 18, 1906. Manila Bay, D'ecember 16,1906. Balambing, Pawi Towi Island; also, Songao to Balambing, January 6, 1906. Many of Manux Manka Island, January 6, 1906. Sibuta Town, west coast of Dibutu Island, January 7, 1906. Talán, Tavi Vawi Island, January 8, 1906. Simaluc Island, off Tawi Tawi Voland, January 8, 1904. Off Jawi Jawi Island, January 8, 1966. Siatu, Drasi Island, January 9, 1906.

(Sheet VIII.) Sterna bergii boreotis Bangs. Jolo, Dulu Doland, January 9, 1906. Baluk Baluk Vsland, January 10, 1906. Jolo, Dulu Island, March 1, 1906. Diet Lake Beach, Dulu Island, March 2, 1906 Jamboanga to Jolo, on the Dulu Dea, March 8, 1906. (Dorey's Camp 4, Jan. 30, 31, 1906), west evast of Basilon Island, March 3, 1906. Celebro Lea, off south Mindanas, between Zamboanga and Margosatilbig, March 13,1906; between Malabang and Parang Parang, March 14, 1906; at Parang Parang, Mindanao, March 14, 1906; Cetteran Parang Parang and Colabato, March 14, 1906; on this voyage it was very frequently seen floating on driftage, and it was noted than la large percentage was of immature birdo. At mouth of Kio Grande, southern Mindanao, March 15,1906. Abundant on the Celebrs Dea, be liveren malabang and Jamboanga, off south Mindanao, March #5, 1906. On cutiring Dumanquelas Bay, southern Min = =danao, April 2, 1906, large flock were seen. Many seen at the entrance to Dumanquilas Bay, Douthern Mindanao, August 16, 1906. Dumanquelas Bay, southern Mindanas, August 17, 1906. In flocks, on the Dulu Dea between Mundanao and teebu slands, September 1 and 2,1906.

(Sheet IX.) Esterna l'ergii bonotis Bangs. Maetan Island, of E. Cerbu Island, September 3, 1906. Hlying in numbers about the harbor of Manila, Defileraber 8, 1906. fricking up food about the docks and slupping as fearlessly as the fapanise Kites of Hagasaki. Marivelez, Butann Province, Luzon, Seft. 8-9, 1906. Uff 8. Millindero, September 4,1406. Anduratea, north of Cuyo Intand, Defetunter 10, 1906. Africanian Patter on Course Toland, Dula Dea, Deflexibre 10, 1906. Lound, off that Palawan, Defilember 12, 1906. The specimin preserved was Killed awing with a 22-calebre refle by Mr. Horace tiletcher. In passing through Hutslead Plraits, among the selands of the Calamianes group, floores were seen on Deplember 13, 1906. During the afternoon of June 10, 1904, on the Celebra Dea off D. Mindanao, Hocks appeared. One off Jamboanga, Mindanao, July 26,1904 Noted off Tueuran, southern Mindauao, Oct. 14, 1903. Ho Firms were oven between Zum boanga and Samar except one of this species off Calbayog (= Count teonnell) July 12, 1906; none sun between Jamas and Marila, July 12 to 18, 1906; but swaral Sterna bergii were

(Sheet X.) Sterna bargii borrolis Bangs noted at Mariveles, Luzon, July 19, 1906. Of good many were peen, Llying and Stoating on logs, in the Silu Sea off northwestern Mindanao, May 6, 1906.

(Sheet 1.) 61. Sterna Luciginosa Imelin. Dooty Virin. On July 23,1903, Two days out from Duam going lourande Manila, sernal Dooly Jerus were seen. On a sandbar mear the brock at Dipulog, northern Mindanao, J., Fibruary 14, 1904, a floen of about 100 dark Serns, together with a few white One doud and spirited (paten by some animal) was

One dead and spoiled (paten by some animal) was
found on the boank of the Tubray River, (chril 24, 1904)
Thocks were seen off the east worst of
Whindanas, between Surigas and Baganga,
Copril 25 and 26, 1904.

Many were seen on the Celeber Dea, off Oouth Mindanao, Coloder 9, 1906.

(def east shore of Dulu Island, March 2, 1906.

In steaming the rough Halslead Straits, among
the numerous islands of the Calamianes growth,
Corte louden 13, 1906, one findevidual and Two large glock,
were noted.

## Sterna

Streat Slocks of Terms about Mu size and color of Blerna herundo were seen alighting on sand:
bars off Mu month of the Butuan or agus an Privir northern Mindanao, april 22, 1904.
On the same day and on april 23, while ascending the Subay River, before and during a severe tropical hurricane, many of these Terms, in flocks of 100 to 200 were seen. They were most abundant just below the native village of Dankego, on april 23. "The pearl-gray color of the marille is obsolete"

Ols we sulered Dan Bernardino Atraits, on July 25, 1905, several small whitish terms were noted.

Terus, small white (perhaps sineusis) were seen off the mouth of the leaguyan River, at apari, northern Luzon, May 29, 1907.

the east coast of Luzon, from Fuga Island. May 3! 1907.

Cheef II.) dema Immense docks of Terns the size of Sterna heriendo were noted in Durigoo Straito, Oct. 4,1906. Note. - The two species of small Terms which Shot, in company with General Tasker H. Bliss, in Basilan Straits, were probably the following: -Sterna Shuriatilis (larger). Sterna melanauchen Temminek (the smaller, with rose-tinted breast ). Sterna Sluviatilis. - "O few" noted on Wal ampay Dound, aff tast Palawan, Deptember 12, 1906. In passing through the introde channels of Halslead Straits among the islands of the Cala = = mianes group, deplember 13, 1906, flock of this tern were observed.

Tell-la-tell-la, moros of Zamboanga. (Sheet 1.)
One noted off Itoilo, Panay Deland, July 23, 1906.

Sterna Finala in sis Finelin. Bahs-trah a (= accent), Bayobers of Santalerus, Bulf of Douaco.

Kan-ah-wy, Visayan hilipinos of Davao, mendanao de Mundanao.

Eg-tik-sah-dahi-got, Bagobers of Jodaya, on mount apo, Mundanao.

1/0/ 1/00 // and / 01/100 on the Sheef of Diavar, 1/1/11= = danao, P. J., June , 1904; also saw many small Jerne about the intrace to Nagasoki Hastor, Japan, September , 1904, which may but tream this of in Very vumerous allong the Manula breakwater Weloter 20 and 21,1905. Deen in extocks off Hoilo, Daland of Panay, December 24, 1905 Den in floor of flound forman, Doluming Juinorns, December 24, 1905. Of Puerto-Princesa, east Parawan, I saw a line over a school of fish on Deptember 11, 1906. Durao, southern Mindanao (nev. rice of Sulf, in front of Dumoy). (Nos. 1349 6 and 13497, adult males. mo. 13496. a.d. 222; 530; 178; 68; -; 18;19. No. 13497, Ead. 225; 536; 180; 66; 30; 18; 19.5. In North: Ins dark brown. Bell olive-brown, black at tep, horn color at extreme point. Ligs and feet olive-brown; Claws black; underside of toes yellow Both stomach's contain fisher an nich in langth ( slowed preserved). Not near their breading season. The only ones seen.

(Sheet I.) Larus ridibundus Linnorous. Panghing Gull; Black-headed Gull. for Shells or Jerus were some in Jose Louer Bosin, Charle ... 19 19 ... Gold on the Rio I frank, Mindouno, a nom the rivermonth to Laste Ligiasan, October 19, 190: Several & Tulls were seen sailing over Dindangan Day, nor them Mindanao, P. J., February 16, 1904; and I pressed up the dry remains of one (No. 13 ) on the beach, at the Dubano village of Sindangan, the same day, of which the head and wing were Kefit. Ces we steamed out of the Paring River into Planica Bay, January 12, 1904 flooks wered lying about the shipping; and faither out in the bayure a great many long-crosted terrez. Abundant of the mouth of the Cagayan River at Operi, Luzon, Wear 26, 1907.

One at Apari, northern Luzon, May 29, 1907.

"Hundreds" noted in Mariela Bay, rugon, Morel 24, 1907.

Mariela 13 ay, December 16, 1906. 2 sien of Lucuran, in the Celebra Sea, of south Mendanso, October 14,1903.

(Sheet.) 68. (Crenaria iriterpres (Linnaeus). Oct. 13, 1906, when 2 were chot. One adult had minurous red feathers on upper parts the.

(One shot by Ceaptain Halstens (Dorry, Celober 12, 1906, on Foran Island, off Whian Island. No. 14409, Ead. Buens a sland, off n. E. Meridanas, October 4, 1906 About 20 were seen at Mali, southerstern Mindanas; Oct. 3 15:3. Large flocks of Jurustones MERE Doen at Davas, at An head of the Hulf of Davis, a with in Williadawas-Octo inset, 49. Our per and On the shore and sunddy flats bordering Garan = = gani Bay, at Makar and Bula, pouttien Muidanos, October 26, 1903, Turnstones were numerous. Several Turnstones were seen along the breach between Taglibi and Jalo, November 21, 1910. Jolo, Dela, Mounita 21-26, 1993. Hoted at Gligan, northern Mindanao, Febr. 15, 1904. Douttfully identified out Michalang, S. Muidanas, Cot. 7-9, 1913. Posaganga, eastern Mindanao, april 26, 1904 a flock was occur wajeagan Island, the with Damar, Oct. 2, 1906, when No. 14344 was shit ing It werait ad, who brought in four of their . Lanang, 2ast Damar, Clerober 3, 1906. Cateel, East: Midanao, Cotober 5, 1906.

(Sheet 11.) (Prenaria interpres (Vinnaeus). Leonard Wood, fr. what one on Dimalue Island Sialu, Diasi Poland, January 8, 1906. Baluk Bolod Island, Sulu Dea, January 10, 1906. Baluk Bolod Island, January 10, 1906.

Squatarola helvetica (Linnaeus). Hocks of shore brids, on three small goral islands off The southern extremity of Subutu Delawi, January 5 for One shot on Foran Island (off Wian Island), October 12, 1906; No. 14407, fad., shot by Doursai Warrei This spreemen is enormously larger than a male from Virginia si the Bureau of Decince collection.

Julvier Mituria). Parific Doiden From; Oriental The Giver. On the shore and muddy flats bordering Daranganie I sing, porthern Windanas, Tolden Plouse were abundant on October 26, 1903, when General Wood's party shot enough of them to oupply the in. XJeneral Wood's party int some of These birds for the table, at Ilan, southern Uludanao, Colober 26, 1903 Cloundant at Jolo, Dules, November 21-26, 1903, when some were shot to supply our table. a large flock seen (2 shot) at Zamboanga, Min-: danao, P. J., Necember 2, 1903. No flocke seen, 3 birds shot, near the palt works at Jamebounga, Mendanao, P. J., February 11, 1904 Floers were seen on the island of Sule, O. J., between Datto Upa's residence and his market At Bual, Filomary 21, 1904.

Thorse will district Saraca Valley, Mindanao, april 8, 1904. a good many were seen and some shot at Allan, conthem Mindanas, Octobre 26,1903.

(Sheet II.) Charadrius dominieus Julous (Swelin). Pacific Golden Plover; Oriental Golden Plover. Tubay River, northern Mindanao. - april 22, 1904. "Solden Plovers with black bellies" were mited; later noted "Golden Ploures with black breasts; ogain: in spring breeding plumages, with gold banks and black underforts [ass. 22]" plumages flock noted at Down famon florm, 15 miles northurs + of Jamboanga, March 23, 1906. Heard, at night, Zamboanga, April 5, 1906. Dix, in pairs, at ayala, Mindanao, P. J., april 24, 1906. Greats now holy black in white ( Abundant on three small eval islands of the south and of. Ditarki Island, January 5, 1000. Wire near Jackson, Horostorld Province, Luzon, January Million Live flocks fragueculed nigh, dry fields and waxistss about the mouth of the Lucay River, Januar, 20 02,17: Bacara priverbank, Hocos North Province Luzon, The 15, 17: Ofarangani Voland, off southern Mendanao, Jan. 23, 10%. 6 Tibles west of Va abella, Basilan Island, Honory Calubig Rivin, north Damar, October 1, 1906 I glock furnished us with 3, shot by mijor Leneral. Den and Wood, U.S. army, on Cajoagan Island, aff the 1 orth poast of Damar Bland, Peteber 2, 1906. No. 14342, 90 Private sland, of M. E. Mindanao, Coloberty Calceland Tower Catel Krien, cast Mindanas, Cot. 5.14

(Sheet III.) Charadrius dominicus Julous (Imeliu). Abundant on Soran Dland (off Whian Island), Cotober 12, 1906, when Twere brought in by General Wood, party Common on Furnindas Island, off Sitanki Island, Oct. 13, 1906, when I were shot by General Wood's party. None showed any black Leathers below. Cagayan Dulu Island, Julu Dea, Octobre 15, 1906. Albundant, 2 shot, on Cours Island, Sulu Dea, Deptember 10, 1906. 3 noted at Coulion, Calamian Island, September 13,1906.

37

(Sheet I.)

43. Ægia litis dubia (Scopoli).

off Sulu, V. J., November 25, 1903.

Deviral were over on the broad sand beaches at Davav, on the & helf of Davao, southern Mindanas, Cetober 24,1903. The only Thouse shot (probably an Octhodronus) was Eaten by and Octhodronus was in flocks, Ægialitis in pairs or single. Big " and "Little Tring Plovers" were noted as abundant on the sandy shore and muddy flats bordering Darangani Bay at Makar and Bula, wouthern Mindanas, October 26, 1903, when "Pale Hing Plover without chest band" was also noted a! Thelen, Little (King Hovers were on it I at of to, Sules Normaber 21-26, 403. Little Ring Plovers were moted on Dungdung Island, off Dulu, P. I., November 25, 1903. Median Ring Plovers" were noted on Pata Island,

Two were shot (ws. 13333 and 13334) at the Quarlemas = ters' Romal at Eligan, northern Mindanao, February 15, 1904.

37 (Sheet 10.) Ægialitis dubia (Scopoli). V Little Kinged Plover. First observed at Malabang, Mudanao, September 29 and October 7 to 9, 1905. Noted at Glan, southern Mindanas, Octobre 26, 1903. Two seen at Manila, October 2, 1905. Several " " 12-18,1905. One seen at San Ramon Harm, 15 miles northwest of Jamboanga, Meridanao, P. D. One seen at Gamboanga, Mindanao, P. I., april 5, 1906. Unted as "parce" on the Suboy River, morthern Unidanco, april 22-24, 1904; "very sharply black-hinged." Baganga, lastern Mindanao, April 26, 1904 Agusan River from Pilar to Dastiva, Mindanao/Hay 6, 1904; Patria Man, 6 77, 1904!)

Dativa la Salrocino, Mindanao, May 7, 1904. Varicella, on the agusan River, Mindanao, May 7 and 8, 1904. "One" noted, on the Agusan River neur Lake Line, Mindanas, May 9,1904 One at month of Libang River, Agusan Valley, Ulindanas, May 10,1904 Nandsidro, Nueva Ecija Province, Luzon, Nov. 27, 1905. Count Stolsenburg, Dagupan, Pangasinan Province, Luzon, Nov. 30, 1905.

(Sheet III.) Ægialitis dubia (Deopoli). (I bundant on soval reefs surrounding three small woode islets, off the south and of Detanki Island, January & ... ( Coursej the same species us 110. 14688 (edentify later) some abundant in outlivated fields pordering the Lavage 12 way, by low, the lower of Lavag, Jamary 16, 1907. LarragRueit from Larrag la Dingras, January 16, 1907. (In Agialitis (No.14704) was abundant, in pairs from Lavag to My Tarag River, and its heaterts actions remided une of those of the Killdeer, January 19,1907.
Win Agialitis (No. 14707) was common on the Larray River from Lavay to the river mouth Pancary 20-22,1907. an Agialitis (no. 14704) .- Laong River at Jacay, January 27,1807 " " " - Very abundant on the Lavag River and Carry Lake, February 5, 1907. and Vacay Lake, Hibruary 5, 1907. Ou Agialitis (no. 14707) was seen near Lavila Horas Norte, Heb. 15, " on the rivers and sea beaches, from Bojendor to Lavag, March 9, 1907. Apari, northern Luzer, May 29, 1907 Mouth of Baco Kliver, Mindoro, Non-6 Miles wrest of Isabella, Barlan Vd., January 28, 190 Calelland lower Catel River, Oct. 5, 1906, when two. 14377, Lad., was collected "Black collar. Upper parts dark." abundant.

Egialitis dubia (Despoli).
Cagarjan Dulu Island, Dulu Sea, Cetobre 15,1906.
Lift in Bureau of Deince: Thos. 14707, 14845, and 14688.
Maetan Island, off E. Cebu Island, Deptember 3,1906.
Almidant, 2 shot, on Cayo Island, Dulu Dea, Deptember 10,1906.

74. Ægialitis peroni (Bonoparie). White-shafted Kinged Flover.

I shot one of these amall Plovers on Santa Creg Island, Af Gambounga, Mindanav, G. D., 1904.
"small whitiel Ringed Plovers" probably this ofcies, were observed at Malabang, S. Mindanao, Cetober 7-9, 1903. Two phenieus, phot by Leonard Wood, gr., on Danmi Island, Sulu Dea, January 4, 190 ... (I few were shot on three small eslets of the south end of Detaritie Dibuter Island, January 5, 1916. On Friga Island, May 2 gand 30, 1907, Tur. William Dorr Carpenter shot 3, which should be compared with Agialitis alexandrina ( See of coineus colloited). His, the only species of King Plover seen, was abundant on Huga. No. 14341, Fad., was collected on Cajoagan Island, off.

north Damar, October 2, 1906.

Two specimens of this species or of Egialitis alexandrinus (probably) were left in the Bureau of Desince temporarily. Nos. 14869 and 14039.

(Sheet I.) Agialitis alexandrina (Linnaeus). Mr. Willeam Dorr Carpenter Raught a down young on the brack at leamy Wallace, Fa Union Province Luzon, May 22, 1907. On May 24, 1907, I shot both parents at one shot. This Janily was all that we saw. The parents ran with encredible speed, leaving tracks 8 inches apart in the sand. They would settle and ruffle their feathers, lying in the sand, and then flutter off like wounded brids when followed, just as other placers do. Two opicinens of this species (but posibly Agialitis Juroni) were left in the Bureau of Science, Nos. 14869 and 14039.

Deadhorde Die d- Plouse. Ochodromus manies fricas. Lesser Jand - Kirm. about 100 of Mis genus seen at Mair, & Mindauce Con 12. . ... a mus Plover, small, without ring was shot at Davas, southern Mindanas, Welster 24, 1903; but it was destroyed by ants. May have beautigication. Cethodronnus was seen in flooks among other waders on the broad sand braches at Dava o, on Atu Bulf of Davao, southern Mendana, Comment Of species of Oethodromes, noted as " grade Ring Plover without chest band" was common on the sandy shore of Sarangani Boy at Makar, southern Mundanao, Cetober 26, 1903, when "Big" and " withte King Plovers were also moled. Major - Teneral Leonard Wood U. D. Cirmy, shot "a large, pa a Ring Plover, like 110.13, at Illan, southern Mindanav, October 26, 1903. Very abundant on broad coral flats lordering lata Island, off Dule, P. J. November 25, 1903 (20.13149). Humerous, in flocks, at the salt works near Bamboanga, Mindanao, P. J., February 11, 1904.

Ochthodronus geoffroyi (Wagler). Steoffroy's Sand-Plover. Seen at Malabang, Windanao, October 7-9, 1903 Three moled at Manila, P. J., September 2, 1905. Some were shot, at Allan, southern Mindanao, Oct. 26,1903.
Noted at Surigao mortheastern Mindanao, April 20, 1904.
Noted at Bacuag, "" ", 21, " Abundant singly and in Slocks, on the Subay River, nor thern Unidanao, April 22-24,1904 Ordaganga, eastern Mindanao, April 26, 1904 (In (Controdroumes (see skins for indentification) was ocen in Mousands on coral reefs courrounding there wooded islets off the south end of Debuter Island, your 5 On Colithodronus was somen the rand islands in the Larrand lin at Larry January 27, 19:2; very abundant there an teknary 3, 190% Apari, northern Luzon, May 29, 1907. On sundbarzat Coasiguran, part court of Lugar. were very large flocks of birds of this general sec Apricinens 15257 -8 for positive identification) The June 1, 1907. Mouth of Baco River, Mindoro, Nov. 1, 1906. Balut I Hand, Durangani group, Cetober 8, 1906 (specimen No. 14399. Examine.) Lanang, cast Damar, October 3, 1906; 4shot by Voul Wood.

(SheetIII.) Ochthodronus geoffrogi (Wagler). abundant on Lovan Island (off Ubian Island), October 12, 1906. The small-billed spicers, same as No. 14399 from Balut Island, October 8, 1906) Very abundant on Turnindas Island, of Ditanki Id., October 13, 1906, when 4 were brought on the ship, all like specimen No. 14419, fad. Land Wood, Gr. shot two on Dimalue Toland, aff Jawi Tawi Island, January 8, 1906. Maetan Island, off east coast of Cebu Toland, Sept. 3,1906. Abundant, 10 shot, ou Penyo Island, Dulu Dea, Deplember 10,1906.

Ochhodromus (Shuet II.) Noted at Gligan, northern Mindanao, Feb. 15, 1904. Hoted at Malabang, southern Mindanas, Ochober 7-91900 noted at Malabang, southern Mendanaa, September 29, 1903. Some were shot at Ilan, southern Windanao, Cetobri 26,1903.
Roted at Gurigao northeastern Mindanao, Cepil 20, 1904. Noted "Bacuas, " 21, ". 21, ". (Cloundant on the Subay River, northern Mindanao, april 22-24, 1904. OBaganga, castern Mindanno, April 26, 1904. The small-billed species was seen on the Breara. Mirin, Hocas Worte, Lugar, Mach 9, 1907. 6 Miles west of Isalella, Basilando, January 28, ... Lanang, east Damar, October 3, 1906; 2 stat by Andiller. Mactan Island, off E. Ecter Island, September 3, 1906. ( Countaint, 4 stot, on longo Island, Dula Dea, Def Coulin 10, 1906

(Theet I.) 76. Himantopus lencocciphalus Hould. White-headed Stilt; Quetralian & 1: 1- ".". The Stift is well nous to the Miloroz of Zambounga, Who could not man it.

On occasional pair of Stilts was seen on Lake

Lanao (among the grassy islands), May 17, 1904; also May 18 and 19, 1904. I shet 4 of them, in Gooded rice lands at finances, northern, Mindanao, May 12, 1904; the of its & I had seem in the Hilippinis. They seemed larger than our (Concrecen Hilt, the note about the same. preserved 3 semales and I female. They were after Jeen in pairs; but, serrial terries, floor sof about 30, were seen; and one floor contained about 100. They were of reading in rice praddless, and were grite gentle, but lough to Kill with w.8 shot Flore shot had the littleack; iris red; logs hur flish red, with dusky claws

(Sheet I,) 19. Numerius variegatus (Scopoli).
Variedated Courlew. Tah'-la Tah-la.

Teah-guouk' (Moros of Zamboanga), who meet it Pal-alm-took (Viscayan Filipinos of Zamboanga). Three (3) were noted at Mati, southeastern Mindanao, Och. 25, 1903 Numerous at Dava o, southern Ithindanco, Goiolo, 24.190: One Floted at Makar, on Darangani Bay, southern Mindanas, October 26 1905. Major-Gleneral Leonard Wood, U. S. army, shot one at Man, southern Mindanao, Colober 26, 1903. Three were seen on the brack bitween Taglibi and Join, November 2:, 1:03 Jolo, Sulu, November 21-2612. Morniber 21. 1902.

Common on broad coral flats on Pata Island, off Sulu, P. D., November 25, 1903. Hener Wood Shirt enough for our table. = av, 12 miles last of Zamboanga, December 11, 1903. Numerous on the Cabasaran Pewer, nouthern Whin-= danao, P. g. Januari. 30, 1904, also mean the residence of Datto Salis Hasin, 6 miles inland and 2 miles from the rever.

Uniegated Curlew (Sheet II.) 79. Numenius variegatus (Scopoli). Some nume seen at the palt works, mean Lamboanga, Mindanao, P. D., February 11, 1904 Noted at Aligan, northern Mindanao, February 15, 1904. Humerous, on two rwers entering Sindangan Bay, northern Mundanao, P. D. Weledat Saula Maria, northern Mendanas, Fibruary 17, 1904. Many were seen when ascending the Tubay Kwer, northern Mindanao, Ofril 22, 1904. Common on the Subay River, northern Mindanao, Capril 22-24,1904. Dagupan River, Pangasanan, Luzen, Nov. 30, 1905. Exceedingly plentiful on the shores and coral recto of Here small islands off the southern extremety of X limite deland, () annary 5, 1906. Cry abuidant at Cosigriran, east coast of Luxon, Jime 1, 1907. Dr. Paul C. Fincere shot 3. Mouth of Baco River, Mindoro, Nov. 1, 1766. On Feiner Deland none were deen on my first visit; but three were occur on Colitient, more Ostarangani Island, off southern Mindanar, January 23 and Cotober 8, 1906. Cue elect January 23, 1406. Balut Island, Darungani group, January 23, 1406 Balut Island, Saranganie group, Cet. 8, 1906; abun = dant; one shortby Dr. Paul Co. Fireer.

(Sheet III.) Numerius variegatus (Scopoli). Trabella, Basilan Island January 26, 1966.
Demend Hood shot one, the only one seen, at Lanang, last Damar, Oct. 3, 1906. Spiemen: (No. 14 35 353, 9-12 Queas Island, off n. E. Mindanso, Colobert, is October 5,1906, many were seen during the day on the lower Catel River, east Mindanao; and, at evening flocks were passing north along the poast. Manay, east Mindanao, Celober 6, 1906. Abundant, one shot, on Loran Island (off Ubian Island), October 12, 1906. Abundant, 4 shot, on Sumindao Island, off Sitanki Island, October 13, 1906. Mainbûn and Diet Take Beach, Dulu Island, March I and One near month of Rio Grande, southern Mindanao, Warch 15, 1905 Mactan Paland, of E. Ceebu Daland, Deflember 3, 17. Two on Talieud Island, in the Sulf of Davas, Mindanas, July 17, 1704. Minemais (Sheet I.)

One was seen at Surigas, mortheastern Min =

-danas, Mpril 20,1904. Probably the same bird

(No. 13.351) was shot at the same place Soft. 21.51.

Violed "in small numbers" on the Jubay River,

northern Mindanas, Opril 22-24, 1904.

List (Sheet I.) Volamis totamis eurhinus Oberholser. ; Oriental Obdshaul. abundant on Loran Island (of Mbian Island), Colober 12, 1906, when two were shot : Specimen: No. 14414, fad. Clbundant on the Vubay River, northern Mindanao, Ofril 22 and 23, 1904. Noted at Zamboanga, Minianco, P. D., Com 10 - 12, 200 Noted on the Rios France, Underson, Coloter 19, 1900 A large, whitish, loud-voiced Wader" was noted at Makar, on Darangani Bay, southern Ulindanao, October 26, 1903, and on the Mataling River at Mala= = bang, southern Meridanas, Que noted six miles up the Cabasaran River, southern Mirdanao, January 31, 1904. Singly and in flocks up to twenty at the salt works near Zamboanga, Mindanao, P. D., Hebruary 11, 1904. This bird utters a loud call, both on the ground and in the air, which is distinctive. One seen at Marila, J. J., September 29, 1905. Abundant on the Tubay Phire, northern Windanas april 22 and 23, 1904. Woted at Santa Mesa, man Manila, Oct. 23,1905. Noted at Cabo Island, I gat Bay, of D. Mindanao, O. J., Capril 2, 1906.

life life of by 6 (Sheet 11.) 83. Volanns serlidres Lines Oberi icer. Oriental Redshank. The Streenshank: Seen on the Tubar the Said 22,1904,5 Pota Island, off Duly, P. A. Normin 5, 1600. Several were seen at the salt works, near Lamboanga, Mindanco, S. D., February 11, 1904. Its notes are similar to those of our the Freater Ufellowlegs of the United States. (& flock seen in the Mataling River, at Malabang, ). Mindanao, Delolin 7, 1903" Very moisy waders!" A great many were seen turning the ascent of the Subay River, Opril 22, 1904 This was the day preceding the terrible hurricane of Ospil 23, 1904, which oweft the north coast of Mindanas. I. Our large Snipe shot by It. Quackenbush or Capt. Me Coy, which was not seen until it had been plucked, had greenish-gray legs and feet. It was doubtles probably the sauce species as the Lotanus opecimen sent be, me Greggor to Richwood for identification (get Richmond's identification). On Three Douth Island: of Hibritis, faming 6, 11. (Ibundant on Turindao Visland, af Sitanki Id., Cet. 13, 1906, where the were shot; some retained striped feathers below.

Helodromus ochropus (Linnaeus). At Frinidad Lake, in Mr. Benguet Highlands at 4500 feet altitude, on December 3, 1905, Joan about sex, never more than two together. One was owining in a buffalo wallow. d'evellected a specimen at Nagpartian, baside the Naghartian River, March 4, 1907: Wo. 15017, Fad. 7 Upper and under lail-coverts all pure white. Tail-feathers all white except that there are one or two subterminal dark cross-bands. Dris dark brown. Bill olive-green. Legs and feet green; claws pleembrous. I saw this species on the Island of Dule, mear beside a amall fond near the then residence of Panghina Hassan, A single one was shot on the brank of a wooded stream at Naghartean, Hocos Worte, Luzon, March 6, 1907.

46 (Sheet I.) 85. Heteractitis brevipes Vieillot. Wandering Sattlir. One was a hot for the collection by Leveral Wood, at Pata Island, off Dulu, P.J. November 25, 1903. It was found among the mangroves on the edge of a brack. We found it numerous in the mangrove swamp brokering langapuyan Island, off Zamboanga, Muidanao, December 11, 1903, when Colonel Harbord, U.S. army, shot enough for our table. One was preserved (No. 13162). It frequently alighted on exposed roots of the mangrove trees at low-tide. On the Cabasaran River, southern Mendanas, January 31, 1904, a flock of hundreds of these bride was seen flying in angular sweeps sof and down This broad stream. Cet night They rousled on an enormous drifting tree, on which to were shot at once, at dusk; they returned to the same sport. Smaller floores were noted here and there along the bank. Mangrove swamp between the Zamboanga salt works and the Celebra Sea, February 11, 1904. Many were seen when ascending the Tubay River, northern Mindanas, april 22, 1904 Hooks " "ap. 23.

Heteractilis brevipes (Vieillot). In flocks at Baganga, eastern mindanao, Cepril 26, 1904. Dibutu Doland, frequenting the shores of there small wooded islands, fames of Specimen: (No. 14572, fact. Month of Subann River, eastern Mindoro, Dec. 6, 1: Malamani Island, apposite Salvella, Basilan, Feb. 13, 190! Very abundant on Novan Island (of Ubian Island), Oct. 12, 1966, when I were shot by Leveral Wood's fasty. Spec-= imen collected, No. 14408, Fad, Shotby Coapt. James K. Thompson. This species alights, at high tide, on tips of Tall mangross. Its note a sweet whistle Abundant on Turnindao Toland, of Setanki Island, October 13, 1906, when 18 were shot; some had cross-barred Leathers remaining on breast. Mactan Island, off the east coast of Cobu Valand, Deplember 3,1906. (in i jor Siland, derla Dea, September 10,1906; abundant, 14 shot. (Che shot on un Islat in Malampaya Dound, wast Palauran, Deplember 12, 1906. Two on Valiend Island, Gulf of Davao, Mindanao, July 17, 1904. 

Statilis (Sheet I.) 86. Fringoides hypolenes (Linnaeus). Too-lah-long (Moros of Take Lanco). No. 1295: 2. Sou'-gou (Viscayan Filipinos of Manay, poutlem miner.). The contract of the first of the contract of t Noted at Januboanga, Mindanao, P. G. Double to -11 1000 " " Manay, S.E. " " 23,19.13. Ten were noted at Mati, " " 22, 1903. abundant everywhere on the Rio Grande, Mindanao, the river month up to Lake Legissan, October 19, 1900. At Davar, routhern Mindanas, Colorer 24, 1903, a Tringoides was passing around a carabao wallow, and crossed it by walking from tip to tip of a carabaois luge horus. (One pat ou a carabaois head when the animal was bus uricling in Thomseow: At the Moro village of Malizam, southern Mindanao, a few of these common Dandpipers were seen on the rocky shore; Octobra ?: Deen on the mud flat bordering Darangani I Bay, at Bula, pouthern Miniciana, October 71, 1400. On the island of Dulu, I. D., it was notice as processes: On the trail from Upala house to Cerater Mountain, November 15, 1903; on the breach wear Siet Lake, November 18, 1903;

86. Dringvides hypothers (Simmens). at springs and peach at Tagisti, November 20, 1200; common along ten miles of brack fectivian To glibi and Goio, November 21, 1925. Golo, Rula, November 2, -- ( 1993 Sem in Dungaining Is and, of Sulu, Terring to " Vata " " " Zamboanga, Mindanao, P. J., Deember 2, 1903. Shot on Sangapuyan Island, off Windawav about 11 miles east of Jamboanga, Lecomber 11, 1903, and December 19, 1903; again noted February 2, 1904. Jambounga, Dec. 7, 1903. Wherever there is water, either palt or fresh, running or standing, one is quite sure of oceaing this Sandpiper. Even a casabao wall is not served by it, and the wallowing buffalo, covered with mud, for a rostrum. At Davao (see above). Hits habits, and especially its bowing motion; and quite file those of our Spotted Standfifeer Deen, January 30, 1904, on the Cabasaran River, southern Mindanas, P.J. Seen at Buluan, on the mainland of Mindanao, opposite Buluan Island, January 31, 1904. Common along the Cobasaran River, and at the residence of Datto Salis Haspin, southern Windanao. Danuary 31, 1904. Hound at Tambigan, Blambigan, Gambigan Bay, southern Mindanav, Fiebmary 142, 1904

86, Dingoides hypolences (Linnaeus) Whe only bird seen on the bruch at Sapitan, northern Mindanao, P. D., February 14, 1904, was one? Abundant, as usual, at the Lambourge salt works, February 11, 1904 (one shot). Noted at Higan, northern Mindanao, February 15, 1904. Cobundant at the months of Two rurs That join Sundangan Bong at The Subano village of Ulucas, in northern Mindanao, February 16, 1904. One was shot at Bual (Datto Mpais market) Sule Island, P. J., February 21, 1904. I found this Dandfuper abundant on the island of Cagayan Sulu, in the Sulu Dea, V. J., February 25 and 26,1904. Ino (Nos. 13373-4) were collected. Called ling-fring by the Moro natives. On February 25, as I walked down the rocky shore many werry. Not infrequently they van into eaves, in one of which I I want ranged one with my hands . In the afternoon I want many of them in a mangrove awamp. Moled at Collabato, Rio hande Valley, Muidana, March 3-5, 1900 " 1, Kudarangan, Hone were seen in Varaca Valley, april 3 to 9, 19 Noted in the road from Santar to marahini, Mindanao, September 27, 1903; many seen or shores of Lake Lanao the following day; some on rocks on shore others crowing,

Actitis hypoleucos (Linnaeus) Common Dandpiper. It was abundant on the lowest portion of the Mataling River, at Malabang, Mindanao, Celober 7-9, 1903. noted at Ilan, southern Mindanao, October 26, 1903. Descending the Kio Drande, from Lake Liguasan to the priremouth, Mindanao, Way 28 and 29, 1904 none vere over. Noted at Bacuag, northeastern Mindanas, afril 21, 1904 Noted at Dinagat, Island of Dinagat, April 21, 1904 Noted at Surigao, northeastern Mindanao, Opril 21, 1904 " " Lubay, " 22 Many were seen during the ascent of the Tubay River, northern Mindanea, Opril 22, 1904. Numerous at Dan Kamon Farm, 15 miles northwest of Zambourga, Mindanas, J. D., March 23,1906 Deen at Margosatubig, D. Mudanao, april 2, 1906. Leen on Malanipa Island, off D. Murdanao, P.D. april 1, 1906. Seen on Cabo Island, Igat Bay, off D. Mindan-= ao, G. J. , Cepril 2, 1906. Samboanga, april 11, 1906. ayala, Mindanao J. J., april 24, 1906. Sept. 28, 1903. - a few were seen erossing the open waters of Lake Lanat, ekinning close to the senface.

Actitis hypoleneos (Linnaeus).

(Sheet V.)

(Noted on Mr. Deranaya Marsh, near Duito (Ali're

Jort, March 7-11. 1124

Rio Lha Rio Grande at mouth of estero which arains the Seranaya March, Winder 14, 1850 Moted on the Rio Orande, Mindanao, byluran Cestabato and Alex privermouth, March 14, 1904 Jamboanga, March 15, 1904 Lave Frainit, northern Mindances, april 24, 1900, also on the Tubay River from Jabanga lo Nanticgo, the cameday. Munisous on At. July of River, W. Wind., april 22-24,190e Woled on pleasur, from Buganger to Coleristian (Ide 2 hemp plantation, exstern Mindanas, Cepril 26, 1904 Moled on the Orier, one day's march west from (de's hemp plantation, eastern Mindanas, Cipician Hoted on the Caled River at The Mandayon village of Catee, pastern Mindanao, May 2 1900, also ut Calatugan on the ripper Cuted River, Juay 2 - 3 dange Titoinet? ... Voled on the Buesco-River, a Cribulary of the (lynoan, vastern Mindanas; May 4,190; akso, at Tingali, on the lower Ochecoco River May 4, 1764; also on the upper agus an River near Compostela, May 5,190 Agusan River from Compostila to Polar Mund, May 5, 196

Agusan River from Jaliva to Patrocino, Mindonao, May 7, 1904. "many floating down the rurer on druflage." Lake Triad and thence le Salarogen, on the agus an River, Mindanao, May 9, 1904; the only common sandpiper at this season." Talacogon la Butuan, agusan Valley, Mindanao, May 10 and 11,1904 (lyusan Veiver below-Brituan, Mindanao, May 11, 1904 Deveral seen at finances, northern Mindanas, May 12,1904. San Dridro, Nueva Ecija Province, Luzon, Nov. 27, 1905. Gamp Stolsenburg: " 28, " 28, " Dagupan River, Pangasinan Province, Luzon, Nov. 30, 1905.
Bued Priver, Mar Juin Peaks and at Ceolgans, " 30 + Decl, " Trinidad Lake, at about 4500 feet altitude, in Benguet Orovince, Luzon, Dec. 3, 1905. Noted on three small wooded islands off the Lacaghion, below the town of Lacas Jones January 16, 190%. Abundant from Dingras to Padian, Hocoshorte Province, Lizon, January 17, 1907.
Dirigras to Lavag Hocos north Province Luzon January 18, 1907.
Abrundant from Lavag to the month of the Lavag River , 19, ". Vintar Lake, Flocos Morte Province, Luzon, January 24, 1907.

Activiz sufpolences (Linnaeus).
Lavaghwin and Pavalfake, Hocos Norte, Luzen, January 27/1907.
Lavaerte Nagharlian, des Hebruary 15, Den anthe rivers and sea braches from Boyendor to Lang De locas norte Luzon, Murch 9, 1907. On the Bird River to above leolgans, Benguet Road, Luzon, Dec. 24, One seen at Lucina, southern Luzon, March 30, 1907. Apari, northern Luzon, May 29, 1907. On the trail from Varyan to the Naugan Peroir, Mindoro, March 25, 1907. Calapan, Mindoro, October 20,1906. Month of Baco River, Mendoro, Non. Benibi Piver, Windowo, nov. 3 and 4,1906. Of few pairs were seen on the alag River, Mundows nov. 5-8,1906. Darangani Island, off southern Mindanao, October E, 1906 Balut Voland, Darangani group, October S, 1906. drabella, Basilan Island, January 26 and 27, 1916 Basilan Id., Camp no. 1 (Isabella) to Ceamp 720-2, Jounary 28 10. Camp No. 5 to Camp No. 6, south Basilan , February 18, 112. Malus a, west Basilan, February 19, 1906.
Camp No.8 to Camp No. 9 (near Loabella), north Basilan, 46.21, Musser's plantation, mear Isabella, Basilan Jd., Feb. 22, 19

(Sheet VIII) Actitis hypoleneos (Linnaeus). Lower Catubig River, north Damas, October 1, 1906. Burengo, Catubia River, north Dumar, October 1, 1906 Borongan, east Damar, October 3,1906. Common at Lanang, east Samar, October 3, 1906, When General Wood shot No. 14351, Fad. Bucas Island, of northeast Mindanao, Colober 4, 1906 Lower Catel Piver, east Mindanao, October 5, 1906. Caraga, last Mindanao, October 6,1906. Manay, east Mindanao, October 6, 1906 Abundant on Turnindar Island, of Sitanki Island, Octobre 13,1906, when one was short. Eagayan Duly Island, Duly Dea, Cetober 15, 1906. (Balabak and Thelville, on Balabak Island, October 16, 1906. Bona Bona, Dan autonio Bay, last Palawan, Oct. 17,1906. Balambing, Tawi Tawi Island, January 6, 1906. Manux Manka Island, January 6, 1906. Tatán, Tawi Tawi Deland, January 8, 1906. Siatu, Diasi Island, January 9, 1906. East Bolod Island, Dulu Dea, January 10, 1906. Baluk Baluk Island, January 10, 1906, when many, large and small wading birds were seen by menthus; of Leveral Wood's party on the lagoon in the interior of the island, which I did not reach.

(Siezi7.) Mysophine glarcolation. noted on Lake Lanco, at Doeir, Windanco, april 2, 193: Noted along the Rio France, Mindanao, October 19, 1903. One was seen beside a marshy fool in the Edge of a swomp, near Panglinia Hassan's residence on the island of Dulu, P. J., November 16, 1903. abundant ni the ricefields at Zamboanga, Mindanao, P. J., December 2, 1903; 5 shot. Januboanga, Dec. 7, 1903. Legs greenich. Freds in pice paddies, wading in shallow water and mud among the rice plants. It is nather shy, and, when startled flees up with notes leile More of our Solitary Sandpuper, sweftly mounting in high curves, frequently alighting presently in the parie spot. Very numerous at the salt works near Jam= = boanga, Mindanao, P. J., February 11, 1904. At a fresh-water lasse near The south side of therisland of Cogayan Dulu, in the Dulu Dea, Feb. 25, 1904, Captain Langhorne, US. army, found some Waders, and brought me om of This species (20. 13368 fad.).

Rhyacophilus glarecla ("Fredia). (Sheet II.) 3. Sill my Valle Wood - Bandpiper. Noted on Lake Lanso, at Souir, and at Rogaryan, Taraca Valley, Ofvil 3, 1904. (Ill during the moonlight night of april 3-4, 1904, at Roganan, Taraca Valley their voices were heard as the glew about motorer in. Many were seen in ricefields around Rogayan, Tarcon Valley, Ofisity, 1904.
On the Faraca River,
(At Ompuanaka's cota at Malungan, Capril 5, 1904 it wasnoted. Hlocks were seen between Galanan and Basayan, on the Taraca Kever, Seen on the Mataling River, at Malabang, Mindanao, Cet. 7-9, 1903. Many were seen, when ascending the Tubay River, northern Mindanao, April 22, 1904 Deen at Manila, October 29, 1905. Numerous at Chyala, Mindanao, april 24, 1966. Deranaya Marsh, Rio Grande Valley, Mindanao, March 9, 1904 One was noted on the lower Bacre River at the Mandayan village of Vingali, in the interior of Mindanao, May 4, 1904. Two moled at Jimanez, northern Mindanas, May 12, 1904 Mean Pozorrubeo, Pungasinan Trovince, Luzon, Nov. 30, 1905. About 50 Deen, and 3 shot, at Frinidad Lake, altitude about 4.500 feet, Benguet Province, Luzon, Dec. 3, 1905.

Rhyacophilus glarcola (Sheetin). (Sheetill.) Many were over around pools of fresh water between Toursina and laway, Flore's Morte Province Luzan, Jan 14,19m Lavay to Dingras do Vintar Lake, Flores Morte Province, Luzon, January 24, 1937 One pair, mear Deabella Basilan Island, January 26, 1900 Nine were a hot at Samboanga, Mindanao, Fichmary 11.1900 Abundant near Sabella, Basilon Island, February 13, 17. 1. Burengo, Calubighiver, north Samar, October: 1,1906. a Lew, about fresh-water pools at Lanang, east Hamar, October 3,1906. Bucas Island, off northeast Mindanao, Colober 4, 1906.; Reveral seen around fresh-water ponds. Tagbanoa village, 5 miles inland from Bona Bona, Dan antonio Boy, last Polowan, October 17, 1906. Tresh-water pools from Jolo to Mainbien, Cerater Lake, and Viet Lake, Sulve Island, March 1 and 2, 1906. , (Dorey's camp 4, Jan. 30, 31, 1906), west coast of Basilan Island, of March 3, 1906. Common on inland pools of fresh water, on Congo Island, Lulu Dea, Deptember 10, 1906.

(Size = T) Quesosa Mr. Me Gregor has the skin of a Limosa novaezelandias from Conyo Island, P. J. a Solvit was noted at Davao, within Minimis. OFFICER 24, 1903. a number of Godwits were noted during the ascent of the Subay River, northern Mendanao, afril 2, 1904, as follows: "large Shipe, white tail and runifs," and "Godwite (?/ abundant still," farther up the rier. This godint (see feeinen for identification) ressouded with other shore birds was abundant on The coral flate surrounding three small wooded Estets off the Forthern extremity of Dibutu Daland, January 5, 1901. (is the meoning tide idebuerged An extensive coral flats, the waders began to rise and fly around the islands, where they condensed as flock ofter flock settled upon the shores, which soon breame prowded with them. Some of the circling flocks were gnormous; and from one flock, Leveral Wood brought down loids of the following genera: Limosa, humanus, Totamis, Charadrius, Dqualarola and Catithod rounes.

49 Limonites minuia ( Sincer). Titte Synt. Eigen in ite had see is ( to ise). I'm the retail it is in the in the second in the se (No. 13/70. Ead. Zamboarga, Dec. 17, 1903.) About 20 "little Dand pripers" were inoted at Mali. Southern Mindanas, October 23, 1903. an enormous rumber of Peeps were seen on the sandy shore and muddy flats bordering Darangani Bay, at Makar and Bula, October 26,1903, when sperimens were collected at both place. Major General Leonard Wood, U. S. army, shot a (Seep at Man, southern Muidanao, October 26, 190-Several Kinds of Handfolper", micheding many Peeps were seen along ten miles of brack between Haglibi and Jolo, on the intend of Silve, November 21, 1903. a flock of L. damacensis was seen at Manula, Sept. 26,1805 Abundant at Manila, during Colober, 1905.

(Sheet 11.) Limosa Two, on Manuk Manka Voland, January 6, 1906; species the same as specimen No. from Three-Island of S. The same as specimen No. Sibutu Island.

Dimonites minuta (Leister).

My only record is the specimen recorded from Zamboanga.

50 The series to provide the series of the s Burning & Burn (nos. 13171, 13172, 13179, Zamboanga, Dec. 17, 1903.) a florit of small Dandfufiers was noted on the Rio Grande, Mindanao, October 19, 1903. an abundance of Lelps was noted at Daveo, southern Mindanao, October 24, 191 8 Davidpipers nearly as large as a Luristone" noted at Davao, southern Mindanao, October 24,1 The same larger Sandpoper was afterwards seen at Makar and Bula, sonthern Munidans, @ Jube. 26, 1903 at Marila, September 29, 1905. Abundant at Marila, during Cotober, 1905.

Limonites ruficollis (Pallas). In prodigious flocks on the Lubay River, northern Mindanao, Opril 22 and 23, 1904 In small flock's on the braches around Ba = -ganga, sastern Mudanao, afril 26, 1904 Lagupan, Pangasinan Province, Luzon, Nov. 30, 1905. Thousand were seen on three amall islands off the south end of Debutic Island, January 5, 1906. Apari, northern Lugon May 29,1907. Lower Calubig River, north Damar, October 1, 190% Abundant on Durindao Island, off Setanki Island, October 13,1906, when 3 were shot. Bare tibea, and feet, black. Hoeks of hundreds seen on Maclan Island, of the east Poast of Cebu Island, September 3, 1406. Large flocks, 1 shot, on Course Doland, Dulu Dea, Deplember 10,1906. Abundant on the Mariquina River, Rigal Province, Leazon Sand, September 17,1906.

chier many minuted with the Sheetli Strongers quition is one wind- in the in 51 promonites afteres wie Hadrid . for well it The state of the s enter a transfer of the form the contract to the terms (Nos. 13 180 to 1318 3. Lamboarg a. December 217, 1903.) Many seen on the last six miles of the Cabasaran Piver, southern Mendanao, January 31, 1904. Very abundant, in flocks up to 200 or more, at the palt works near Janebounga, Mindanao, February 11, 1904 Limonites rusicollis was abundant at Surgao, northeastern Middanao, april 20, 1904 Others seen in ascending the Dubay Kirs, northeastern Mindanas, april 22, 1904, were "turning red on head and breast."

51 fatitive (Sheet II.) Lomonites damacensis (Horsfield! Very abundant, sometimes in Insomous Joeks, on the Subay River, northern Mindanao, april 27 and 23, 1904. Many were acquiring reddish-brown feathers of the suptial plumage on their backs. In small flocks on the sand braches around Baganga, lastern Mindanao, Opril 26, 1904 Lower Catubig Priver, north Damar, October 1, 1706. Hlock, at Janang, last Damar, October 3, 1906. Abundant on Mariquina River, Rejal Province, Luzon, September 17, 1906

(Stylian T.) Dallmago megala : " " ". Street Sin-tooled & river. Ku-ra-Ku-ra (Moros of Zamboanga). Noted on the trail from Camp Vicars to Souir, on Lake Line, Chil 2.19.1. Surnal sun at Viens (3000 ft.), april 1,1904; one shot (No. 13431), Ead., Vail 2 /2 mily. abundant on the Riot France, Mindonoo, Certifi, 1900. West side of Jake Janes, 1. November 2. On the poland of Duler, P.D., This Jacksnipe was rided as follows: On the trail from Upa's house to a eauf on a stream at the foot of leater Mountain, near Panglinia Hassanis Cotta, November 15, 1903. Near Wit. Bulieman and Munce to the brack at Tablebe, November 20, 1903. It was noted from Taglibi to Jolo, November 21, 1903. Abundant in the rice fields of Jambounga, Min = = danao, P. J., December 2, 1903 (4shot). a few were flushed from wet trails on the uplands. Shot on Sangapuyan Island, of Mundanav about 12 miles last of Zamboange, December 11, 1903. Zambounga, Die. 7, 1903. abundant. Mostly seen in piec paddies, but also in dry, bushyuplands and hastures. It is a difficult bird to shoot, although its I light is not quite so erooked as that of our crum Judesing.

(Sheet II.) Great Printed Dishe Gallingo maia mintor. Its note is paster, and it does not lie to closely. Some of those Killed December 7 food greenist feet, and others more grayish. There were probably two species in land; but I do not now know whether there were two mairontailfeathered species (D. and D.) or a narrow-feathered and a broad-feathered species. Cabasaran Kwir, southern Mendanao, January 31, 1904 at Jamboanga, Mindanao, February 11, 1904. The-marrow tailfeathered "species was noted at Lubungan, northern Ulindanao, P. J., Gebruary 14, 1904. Captain S. L. Esmith, 17th Infantry, 10.2, Ceny, referred This beid from the island of Seassi, P.D., in 1903-104, Mitted at Cottabato, southern Mudanao, March 3+,5, 1900: " at Kudarangan, " " " (6, ". These Drife blew our our camp at Regagan, Lake Laura Beauc diving the moonlight night of lapid 3-4, 1904. Thang were seen on the 4th, in rice-praddies. On april 8, 1904, I noted this Supe as "be coming searce" in the Jaraca Valley; but "a good many" were noted later the same day, at Basayan ( near Ragayan and Lake Lanao); but none were occu in the lake Basin Mercaster (I lest april 11).
Herard, Alijung over, at Mariela, September 3, 1905.

Itallinago megala Swinhor (SicutIII.) Great Pin-tailed Snipe. Juraca Valley, near Rogaryan, Mindunao, april 3,190: Moted at Lake Quiling, Mindanao, October 5 and 6, 1903. Shot at Ilan, southern Mindanao, October 26, 1903. Large bags were made by the gumers, in the vicinity of Manila, during the last werk of Seft= sember, 1905. Bags of 50 to 100 were made near Manila, during the Leist week of October, 1905. Abundant at Malabang, Mindanao, J. J. Warch 17,1906 Several were seen at Mercedes, 9 m. E. of Zambounga, Warch 28, 1906. The slues were nearly dry, and they were mostly flushed from clumps of bushes and trees. One at Gamboanga, April 9, 1906. Hoted from the Deranaya Marsh to Labas, in The Libungan River Valley, conthem Mindanao, March 12 and 13, 1904 Weled at Buguio, Bengut, Due land 2, 1905. Seranaya Marsh, Rio Frande Valley, Mindanas, March 10, 1904. Dan Fridro, Micra Ecija Province, Luzon, Nov. 27, 1905. Camp Stotsenberg ? " " 28, " Near Pozorrubeo Pangusinan Province, ". 30, ".
Pacay Lake Flocos Norte Privince, Luzen. Fisher. 5, 1907. one his place, called the Plaga, in his then Benguet, during the

Millingo megala Owinhoe. Jone 11210 let & Friendad Lake, Benguet Province Luzon, beterran January 24,1906 and January 4, 190%. Batan Island, P. J. May 27, 1907. One whot at Burengo, north Saman, October 1, 1900. Bucas Valand, of northwest Mindanao, October 4, 1906, when deveral wire som and No. 14#366, fad, collected. Malabang, southern Mindanao, March 15, 1906. (in Deplember 16, 1906, Dene and Wood and seven others made a bag of 560 single of this genus. Of these Leveral Wood Killed over 80 in me morning; none were Gallenago gallinago, as all had narrow outer tail-feathers; at and all that I eritically examined were D. megala, though some of the others may have bean D. stenura. Dan Malco, Rigal Province, Luzon, Deplember 17,1906 Taytay, Rizal Province, Luzon, Deplember 21, 170%.

Lallinggo Stenura (Kuhl).

Dave regislered No. 13773 fad., Frinidad Lake, Benguet
Province, Luzon, Dec. 3, 1905 under Gallinggo stenura.

Of 15 snipe what at Frinidad Lake, allitude about 4500
feet, ni the Benguet Highlands of Luzon, December 3, 1905,
3 were like the above-recorded specimen (No.13773), the
others Bring Gallinggo gallinggo.

Gennion (2) if 2; the tailed Dispe. noted on the Rio France, above Cottabato, Minicio uas, October 19, 1903. Hoted at Cottabato, in the Rio It and Valley, Uludanao, Warel 3-5,1904 " "Kudarangan, " " (o, " Of 15 pripe shot beside Frinidad Lake in the Benguet-Highlands of Luzon, of the altitude of about 4500 feet, December 3, 1905, 12 were this species Enc shot beside the Tarny Mire below Laray Jan. 20 to 22, 1907. Vintar Lake, Hoers North Growiner, Luzon, January 24,1907. Duy shot at Zambounga, Mindando, February 11, 1966. Near Dealella, Basilan Deland, Hebruary 13, 1966.

100. Rostratula capenois (Linnoeus).
Panted Snipe, I first met with this fine game bird at Mala= = bang, southern Mindanao-Several were seen and one shot in a recepteld at Zamboanga, Mindanao, S. J., December 2, 1903. 4 rom Seebohnu's "Plovers", etc. 1888: - Rhynchaea cafensis is called "Varieted Single." Several wire seen in fields of the Moro 2 at Mala-borderings: the motoling River, ( ) and 8, 1903. Several were shot, in the vicinity of Fort William Me Kinler, Luzon, during the last week of September, 1905. Ten shot at ayala, Mindanas, P. J., Opril 24,1906, by Leveral Bliss and nupelf. Females larger, differently colored, and much handsomer Thean wales. Breeds at Chyala according to the natures. Said to be most abundant there late in month of freme.

(Sheet I.) Hydrophasis chirurgus (Scopoli). Pheasant-tailed Jaeana. Ahn'-ok Lin-gee - to pahn Moros of Jamboninge. " A grayish Wader with June-white wings, the size of a Woodcock, was quite numerous, in pairs, on the fely-pade and water -cabbage pulctes bordering the grassy shores of Luke Lanco, at Vainer, april 9 and 10, 1904. Lake Liginasan, Mindanao. - May 17, 1904. White-winged brids are seen across the open water, among the floating grassy islands of the Lake." "In the nearby grass of these floating solands are several of the slow-flying waders, having pure-white wings, that I first sew at Sauir, on Lake Lanao. Its flight is slow and heavy like that of the Herons. May 19: Lake Liguasan contains many open stretches of water, a number of which I crossed. In some places water-cabbages float against the lotus flowers (pink water-lillies), which latter are stationary bring deeply rooted in the lake-bottom, the floating bids of vegetation are the home of mysids of Kail and Waterhen, and of the two species of Jacana (Hydrophasis chirurgus and Hydralector gallinaceus). The present species has the much larger exhibits a marked difference in the sizes of the sexes.

(Sheet 11.) Hydrophasis Chirurgus (Scopoli). Comb existed Jacana. Very abundant on Lake Buluan, Mundanao, May 22,1904. a specimen was shot forme by Bishop & Ho Brent They run swiftly on lily and hoters thank! At Camp Dregg, Pangavenan Province, Luzon, Dwas given a freshly-Killed specinion, shot by directionant Charles M. Maigne, Deventh Cavalry, who saw a good many in Jangasinan Province. Large flocks in the lotus on Paray Lake, Hocos norte Proince Lugar, February 5, 1907. On Lakes Naujan, gastern Mindoro, March 25,1907, flocks of these brantiful birds disported Memselves on the beds of floating lotus leaves. They would fly about utlering eries resembling the mewing of a house-care

(Sheet I.) Hydralector callinaceus (Temminek). Comb-eristed facana. Pah-pan-ook (! ions of the / his Arande Vacien). Boh-Ku'-Ku-low-e 17 loros of Bankonna). Hundreds of these birds were seen whom floating bids of water-cabbages and other plants, bordering open stretches of water on Lake Liquasan, Mindany May 19,1904. Many were seen on Lake Buluan, Mindanao, May 22, 1904; but it was less numerous Than the Hydrophasis chirurgue. In descending the Buluan River, from Buluan to Lake Liquasan, May 27, 1964, one was seen at Buluan, and a great many from that point to the lake. (One was shot, lostwern Buluan and Pandog (no. 13487) During flight it withers a low-whistled tremulo, and carries its spure projecting vertically where.

(Sheet I.) 65. Or thoramphus magnirostris (Vicillot). Autro-Tiain Stone-Curleur or itore ! e = ; 4 Were shot on Loran Island, off Mian Island, October 12,1906. Deveral Wood shot no. 14406, Ed. Inis yellow. One of these remarkable brids was shot by Captain Frank R. Mc Coy, Tt. D. aring, at Bula, on Darangani Boy, southern Mudanco, October 26, 1903. It was sky, ran swiftly, and retleved a lowery Several were seen on soval shoals on Pata Island, of Dulu, November 25, 1903. They were quite sky, and moisy, They appeared to be feeding on orgiters and other mollusks. Davao and the headwaters of the alip River, in oorthern Mindanao, P. J., in 1904 Leveral Wood and Captani Dorey Nieled several along tide creeks in mangrove awants a few miles east of Zamboanya, Midanao, March 1, 1904.
When ascending the Tubay River, Chil 21, 1904, one seen. One seen on & am mi Island, Duly Dea, January 4, 1906. Dozons Doores of these birds frequented the of the south end of Dibuter Valand, January 5. 1955

Orthoromphus magnirostris (Vieillot), Tumindao Island, of Sitanki Id., Oct., 13, 1906.

50 (Shect I.) Progadis Jakainellus ( timo .... Dlossy Abis. Large floere at Busayan mear Ruggyan and Fare Jana Mindanar, uping, 1. Fruit glock on dalle Lanas, de Tember 28, 1903. The Black This, as this is called by the auer= - 1 cares on the Rio Ffrande, Mindanao, Gelolie 19, is present there in such numbers as to be a char: - acteristic feature. On Colotre 19, 1903, when I ascended the river to Laske Liquissan où a steam launch, flights of these birds were seen flying, in extended order, Miroughut the day, they had been shot for food with they had become rather oby. At a distance the flocks somewhat resculled flights of some openies of Year and Duoice Founds evening the flocks mereased in member. Governor Botton informed me, October 25, 1903, Atat he had not seen the Biasil Ibis" outside of the Rio Francis Valley Mindance.

Seen at Collabato, Rio Hrande Valley, Ulundanao, March 3-5, 1904. Numerous at Kudarangan, " " (0," In the morning of april 4, 1904, Glocks flew about the rice fields surrounding Rogayan, in the Taraca Valley mear Latte Lanco Hoeks flew over our camp at Malungan, on Taraea River april 5, 1904, at dawn. Large flores were Reenat the Mead of the Taraca River.

Plegadis falcinellier (Linnaeus). Moted in flocke at Davir, on Lake Lanao, Of il 4 11, 1904. Deaw about a dozen large flocks of Glofsy Voises at daybreak on Lake Lanao, Mindanao, September 28 1963 Among the myriads of birds seen on Lake Liguasan, Mindanao, May 17, 1904, were countlies flocks of the Glossy Sbis. May 20, 1904, on the Buluan River, a swift, narow stream connecting Lake Liguasan with Lake Buluan, Mindanao, I saw many Glossy Ibises. Iwo of them out on a dry tree above what resembled a nest, which circumstance led me to suspect that the Ibises were briding, especially as many of them were seen in two, apparently paired. Some were also seen on Lake Buluan, May 22, 1904. Seranaya Marsh, Rio Grande Valley, Mindanao, March 9-12, 1904. These Ibis some high in air like Wood How the Ranger, bying at the mouth of the estero which drains the Deranaya Worsh, many flocks were seen Alying over, on March 14, 1904 Hoted ou the Vio Drande from the month of the Deranaya estero to the purrinouth, March 14, 1904: Timanes, northern Mindanao, May 12, 1904.

(Sheet I.) Dissoura & Chiscopus 116. Melanopelarquis episcopus (Boddaert). Aissoura Phiseofine (Boddacit). White-necked Stork. Mo Robb told me march 7, 1904, that his offerinen came from 3 ambounds. from Marques L. Nobb, who obtained it at Jambourge. in the Celif River (alley, southern Mudanao, pour May, 1904 (2nd day out from Bulum). Captani John K. White, Philippine Constabulary shot one med Zamboanga, Mudanao, S. J. atout in February 1906, and preserved the exin. River, Mindanao, in 1904 and 1905 This Stork was first seen on the Jubay River, northern Minidanao, april 23, 1904, when two were moled at the mouths of two small rivers entering the Tribay River pist below the native village of Dariliego. When descending the Tubay, Two days later (april 24) two were oven separately, lower down the river. Both were shot at and one bodly wounded, but no Opecinen taken. I noted: "Color glossy black, metallie shades, with white head and tail."

(Sheet II.) Dissoura spiseopus (Boddaert) White-nielled Stork One was noted, on the upper Baganga River of castern Mindanao, Opine 30, 1916. On the Ogusan River, as short distance below Hu month of the Liberton Kiver, May 6,1904, a floor of 5 flew from the river and alighted on a big true One noted on the Agus an Hwir mear Lake Lindo, Mindanao, May 9, 1904 Mr. Marquis L. Robb collected a speamen at Jambourga, nimdanao Three were seen from a train on the Manila and Dagupan Railroad, between Mainla and Tarlac, July 29,1 Specimen: No. 14592. Sad., mouth of Baco River, mean Cealapan, Castern Mindoro , Dec. 9, 1906. Stomach felled with fish. Fris reddish brown. Bill brownish black, shading to deell red on terminal portion Leg 2 and feet reddich brown Major General Leonard Wood saw one near Calubia, on the Calubig Prier, north Damar, Delaber!, 1900. Deveral were seen on Buca & Island, off northwest Mindanuo, Cetober 4, 1906, by Major General Leonard Wood, UR army.

(Sheet I.) Tyrrherodias manillensis (" " " ".). 102. Prodea Rincrea Tinnaeur. Oriental Profle Ferron. Bar-augh'-ah (Moros of Lasse Lanao). No. 12960, ad. Tirted at Mouir, in Late Lando, Mindando, april 2, 1904 Noted at Danta Maria, northern Mindanao, February 17, 1904. abundant on Rio Atrande and Lake Liguasan, Universita vao, October 19, 1903. Very unsuspicious. One was noted at Makar, on Darangani Bay, sonthern Mindanas, October 26 1903. numerous along the beach from Taglebi to Jolo, on the island of Lucia, November 21, 1950. Sweral at Jolo, Sulu Island, November 21-26, 1903. One shot on Pangapayan Island off Mudanao about 12 miles last of Lambounga, February 2, 1904. Noted on the Cabasaran River, routhern Mindanas, Jan. 30, 1904.
Noted on the mainland of Mindanas, at Buluan, January 31, 1904. One at Salis Hasin's residence six miles meland and two miles from the Cabasaran River, January 31, 1904. Iwo were Kept in confinement in the city park at Jolo, Jules, where I saw them February 4, 1904. They were taken young on the island of Sulu, P. J. Noted at Lubungan, northern Mudanao, February 14, 1904.

(Proportanodea's manilleresis (mengery Sheet II.) 102. Andea Cinerea Vintaria. During-marting. Possibly occurs in the island of Cagagan Seeler, nin Ab- Delle Dea, as of find the "Lieat Oblive Heron"in a list of lainds of the island gum one by the Presidente and it midnobable that Deniegrietta suca leraste lond meant. We saw none there. General Lionard Wood and his staff visited East Bolod Island, in the Sulu Dea between Jolo and Lambounga, Fishmany 2 March 20, 1904, Captain H. R. Mo Coy, in his munch from Lake Buluan to Davao, Minduao, in May and June, 1904, moled this Heron on the Davas side of . The mountain divide at the head of the alip? River Valley. Hotel at Kindarangan, on the Rio Grande, Mindanao, Wasch lo, 1904. " between " and Barak, " " " 7; ".
Mumbers were seen, at Rogazan-wherea young one was shot - to Malungan on the Tarnea River: They were surprisingly laine. One Mot it Roganjan was laten by Ma-ha-tin-deg, a Thoro servant. Abundant, april 5, 1904, on the Taraea River from Walungan to the revermonth. It often allowed us to side past within a? On the supper Turaen River, around Galanan, Maese Herons were "too Tame to even fly as the column of troops passed by," april 6, 1904.

(Sheet III .) (Tyrrherodias manillensis (Meyer). Oriental Purple Heron. Couring down the Taraca River, from Galauan to Basayan. april 8,1904, many were seen; mostly young; adulto can in told by their black needs. Skulks in the grass with only head and neck in view, seldom taking Alight." "At evening mumbers of them flew over our camp at Basayan." Magnada were seen to rise from the marshes spread around Davir during the suilitary movements of april 9 and 10, 1904 Deveral were seen on Lake Lanao, Mindanais, September 28, 1903. Malabang, Meridanao, October 7-9, 1903. Noted at Loke Builia, Mindanao, October 5 and 6, 1903. Lake Liguasan, Mindanao. - May 17, 1904. Very abundant." Later a "prodigious munbe" noted: May 18: Oriental Surple Harons were frequently seen flying with fish in brak. These birds are very gentle. Frequently Ine would simply flop from the water-edge over some tall grass and disappear only a yard or two away On the Buluan River, connecting lakes Buluan and Liginasan, Mindanao, on the night of May 19-20, 1904, these Herons made an awful row. This beautiful Heron was abundant, May 20 \$ 22, on the river. The Moros of the Moros of the Rio Grande Valley call it Bo-go-Kah or Bo-gok'.

(Sheet IM.) Pyroherodias manillensis (Meyer). Oriental Purpie Heron. It was also numerous on the Buluan River between the Moro village of Buluan and Lake Buluan, as well as around the laste itself, may 22, 1904. I saw a Heron and Brahming Kite perched on the accusto .. In descending the Buleran River, from Buleau to Lake Liguasan, May 27, 1904, this species was again seen in great abundance, as well as along the Kio Frande from Latte Liguasan to the privermouth, May 28+29, 1904 Noted at Davao, southern Mudanao, July 15 to 20, 1904 Moted at Labas, Libringan Valley, east of Ceolobato, southern Mindanao, March 12, 1904; Junes to Seranaya, Wharch 13,1904. Prange to Barak, Rio Grande Valley, Mindanao March 7-11, 1904- Deranaya Hort, March 11-13 estero which drains the Perenaya March the nouth of the These Hirous now have their nutlial plumia On the Tubay River, where herous and shore hirds were phenomenally abundant, april 22-24, 1904, at the Time of the severe hurricane of Opril 23, 1904, I was surfrused by the entere absence I this common heron.
I du going down the agus an River from Ceompostila; none were deen until Varicella was reached. It som that point down it was abundant, capecially on Lake Linco, May 8 and 9,1904.

Pryr herodias manillensis (Meyer). (Theet V.) Luke Linao to Salueo gon, Agusan Valley, Mindanao, May 9,1904; one adult shot and sain. agusan River Gelow Butean, Mindanas, May 11, 1904. Many were seen on the Manila und Dagupan Railroad, from Manila to Camp Gregg, Luzon, July 29 and 30) San Fridro, Mueva Ceija Province, Leizon, Nov. 27,1905. Camp Stotsensburg, ? " " 28, " Clong the Manila and Dogupan Railroad, between Camp Holsenburg and Camp Gregg, Luzon, November 29, 1905. Pozorrubeo and Bued River, Luzon, Nov. 30, 1905. Several were moled at Frimidad Lake, at the altitude of about 4500 feet, in highlands of Benquet, Lugar, Dec. 3, 1905. Promice, Lujon, January 14, 190%. Lavag River from Lavagto Drugras, January 16, 1967. noted as very tame from Dingias to Padsan, Llocus & Proste Province, Luzon, January 17, 1907. Vintar Lake, Nocos Norte Province, Luzon, January 24, 1957. Lavaglo Naghartian, do Victoriary 15, ". Vicinity of Maghartian, do Febr. 15-Mar. 9, 1907; 25hot. Stirlat were seen, from our sampon the Nagillian Bywin to the coast at dan Hernando, Luzon, Ettarch 19 and 20,1907.

( Tyrrherodias manillensis (Meyer). A large heron, probably this species, was seen May 26,1907, off the mouth of the Cagayan Peurer, near apari, monther sing Chari northern Luzon, May 29, 1907. at Caseguran, cast coast of Trezon, June 1, 1907 It was common. One was shot by St. Paul 6. Fireere and skrimed by Mr. Willegin Dorr Conferte, Pilitot Aprings, near Tibi, southeastern Juson June 3 707 Stream at base of Mount Mayon, Jaboco bede, Celbay Province, Luzon, June 4 aux 5,790%. One seen on the trail from Naujan to the Wanjan River, eastern Mindoro, March & 5,19075 Very abundant on Lake Naujan and the Naujan Pewer The same day. We Sound Muse birds breading on the Bah-roar-ring River let Todaya, altitude 4000 feet on Mount apo slope, July 11 to 13, 1904. The young set up a tremendous crying every morning. levery morning. One seen on the Gulf of Davas, souther Mudanas, July 15, 1904 noted at Dulag, east coast of Leyle, July 25, 1906.

6 life (Sheet I) 11 can a 15/16) 104. Herodias intermedia (Wagler). 19 mas a 6-12-White herous", herbaps this species, had by an seen by Major Mitte herous", herbaps this species, had by an seen by Major Sicerson at Camp Wallace, La Union Province, Luzon, some with previous to our vist, which was May 20-25, 1907. The I slowing seconds are hartly Egretta garsetta ( lin and :-One seen on the Rio Grande, Undamas, October 19, 1900. It stood upon the riverbank and friested rapidly into the mudely shore with its will, which ince out brown. "Black-legged Harrow" Noted at Lamboanga, Mindanao, February 11, 1904. "Black-legged Haron" noted at Digan, N. Mindanao, Febr. 15, 1904. A pair of White Herons, possibly of this species, was noted on the island of Cagayan Sulu, in the Seele Dea, Fibruary 25, 1904! toaplain Laughovue also saw a white Heron in horse crossing the island on Fibruary 25, 1904. Noted at Malabang, D. Mundanao, October 7 to 9, 1903. Tubay Kiver, Mindanao - april 22, 1904: "Black-billed White Heron seen aringly at several places." Later, noted Black-billed, yellow-footed Heron (white) common singley." Lake Linao to Valarogon, (Igusan Valler, Illindanao, May 9, 1904. Many were seen on three small, wooded slands of the south end of Sibutu Island, Jan. 5,1906.

(Sheet II.) Musophoyse intermedial Wagler. Several small herons, probably this openies, were seen off the mouth of the Cagayan River, northern Juyon, May 26, 1907. Apari, northern Luzon, May 29, 1907. Tevral white perous seen on the rocks news Santo Doningo de Basco, Botan Island, J. D, May 27, 1907, were supposed to bethis species On Finga Island, May 30, 1907, one ran a mile in front of me along the brack when I had lent my gun. Others were seen. This bird, which can be recognized, by the coloring of the bill and feet from Egretta garzetta, was seen in small numbers on Naujan Lake, March 25, 1907. a few were moled on the lower Catubia ( Civer, Oct. 1, 1906. Major Leveral Lionard Wood, Us. army, secured a specimen (No. 14343, fad.) for the collection, on Cajoagan Island, off north Damar, October 2, 1906. Timeral Wood shot ofecumen one on Breas Island, If morthwest Mindanao, October 4, 1906. I shot and wounded one on the lower Catel River, east Mindanao, October 5, 1906. This openies has greenish olive legs and seet, with underside of loes yellow. Bill green-broken above, yellowish on mandible and extreme tip of maxilla.

(Sheet III.) Mesophory intermedia (Wagler). Quite Common on Turnindao Island, off Sitanki Island, October 13, 1906, when Gent Wood shot two Many around fresh-water lakes, on Cagayan Dulu Island, Dulu Dea, October 15,1906. On Lumbucan Island, October 16, 1906, Mr. Horace Filetcher shot opiermen to. 14447, fad. Shore of Dan antonio Bay, near Bona Bona, Rast (Palawan, October 17,1906. Bongao Island to Tawi Tawi Island, January 6, 1906, about 20 noted on Dinalu Island, of Jawi Tawi Island, January 8, 1906.

Herodias timoriensis (Cuvier). australian White Egret. Be-gok' Meh'-he (Moros of Zamboanga). Capitarie Me Coy shot a large white heron, Fad., which I skinned. Dris pale yellow, almost white. Bill gellow, Legs and fet inrhlish block. The only one seen, Agusan Rwin, just below Varicella, Man, 8, 1902 More were seen as soon as Lake Lines, was reached, on Man 8 and 9, 1404. Hour seen at the rivermouth at Tucina, southern Luzon, March 30, 1907. Doneral Wood saw two on the lours toaleel Kriser, cast Mindanao, October 5, 1906, and brought in a superb specimen nicely wrapped in paper; but, awing to exhaustion of the ship 12 supply of ice, auts attacked this and many other valuable birds before I could manage to skin them.

(Shection Egretta) 103. Herodias garietta (Linnocus,. One noted, a short distance north of the Rio Ivande, brituman Datto Prang's hacienda and Mu Seranaya Marsh, March 7, 1904 In addition to the Cattle Egret, two small species of white herous were abundant on the Lubay Rwin northern Mindanao, April 22-24, 1904 Que of them had a black bill and feet, but yellow Toes; common all along the river, almost always singly, but theree once seen together; one seen standing between two Ceattle Egrets. Laki Linao to Salue o gon, agusan Valley, Mindanao, May 9,1964 Il number seen at Casiguran, cost coast of duzon, June 1, 1907, when one was shot bythes William Dorr Carpenter Some may have bern Mesophoyx intermedia. Bougao Toland, January 6, 1906. Balambing, Tawi Jawi Island, January 6, 1906.

(Sheet I.) 105 : Singuella sacra & Grain. My first sight of this graceful bond was on July 25, 1903, when passing through & an Bernardina Strait, on Alu southeastern projection of the island of Teezon, when one flew close to the ship (U.S.a. T. Sherman), Dunday, august 9, 1903. - On board the Usa J. "Someo", one of these Herous Alcu past the ship, off the coast of northern Mundanao, a few miles west of Dapitan Bay, on the Sulu Dea. One was seen at Marivelis, Theyon, P. J. Organi 2, 1903.

Hicks shot one for me with his pistol, on the brack near Seet Lake, Nov. 18, 1903 Deveral were seen along ten miles of beach between Taglibi and Holo, November 21,1903. It is almost the same calor as the bowlders along the shore folo, Seely, November 21-26,1903. Several were seen on the coral shores of Vata Island, off Dulu, P. J., November 25, 1903. One Rhot for the collection, by Dewal Wood, was oviposeting:

( heit LI.) Bog-ok (Moros of Cagayan Sulu) 105. Demiegretta sacra (Limelin). A. C. Small Blue Heron. - Several were seen and.
one collected, at the mouths of two rivers which enter Darangani Bay at the Subano village of Mucas, in northern Mindanao, P. J. Several were seen, and one shot, at Santa Maria, northern Mindanao, 9. J., February 17, 1904 Not, as a rule a shy bird. I found this brautiful Heron common on the reland of Cagayan Dulu, in the Sulu Dea, February 25 and 26, 1904. Two were collected (Nos. 13372 and 13392). Dometimes they were surprisingly gentle, walking up to houses and people along the bear Several seen, and one shot, at Durigas, n E. Mindanao, April 20, 1904. This Egret is almost wholly confined in its. range to the shores of the ocean, especially where rocks abound. Thatenever seen it in the fresh waters of the interior. Ayala, Mindanao J. J., Copril 24, 1906. Deores of these beautiful birds were seen on Atre small island & of the south end of Sibritu Island, January 5, 1906. Dagu'ran Ruier, western Luzen, Lucumber 23, 1906.

(Sheet-III.) Demiegretta sacra (Duelin). Major Grierson had seen a small gray Heron at Camp Wallace, La Union Province, Leizon, some weeks previous to our visit (May 20-25, 1907). Calapan, Mindoro, October 30,1907 On Palmas Islandit was not seen until my second visit, on October 7, 1906, when one was observed. Sarangani Island, off southern Mindanao, January 23, 1906. Cajoagan Island, off north Damar, October 2, 1906. Durigao, northeast Mindanao, October 4, 1906. (Commbriof Ruf Herous were seen on Buear Island, off northwest Mindanao, October 4, 1906, When Captain Halstead Doray and Leveral Wood luch shot one. Manay, east Mindanao, October 6,1906. abundant on Sumindao Vsland, off Sitanki Bland, October 13, 1906, when two were shot which had no white on the throat. Cagayan Sulu Island, Sulu Dea, October 15, 1906. Corregidor Island, Mariela Bay, December 16, 1906. Bongao Island to Tawi Jawi Island; also at Balane = = bring on Tawi Jawi Island, January 6, 1906.

Manuk Manka Island, off Jawi Tawi Toland, January 6, 1906. Dibutu town, on the wrot coast of Sibutu Island, Jan. 7,1906. Dimalue Island, off Sawi Jawi Dsland, January 8, 1906. East Bolod Island, Dulu Dea, January 10, 1906. Boluk Boluk Island, January 10, 1906. Mainbun and Diet Jake Beach, Sulu Island, March Jand 2, 1906. Oire, on un istand in Malan paya Sound, west Palawan, Deptember 12,1906.

.68 (Sheet I.) 114. Nycticovax manillensis Vigors. Milaida Night-Heron. Mindanao. Mah-eoak, Bagobosof the west shore of the Gulf of Davas, Servor had a capture young individual in his house at Tagulaya, on the show of the Gulf of Novao, Mindanao, in July, 1904. Captain Laughorne and I discovered a large colony of them at Mercedes, about 9 miles east of Zamboanga, Mondanao, P. J. Two that were shot a Mercedes, Mindanao, December 20,1903, had eaten a quantity of fish and fiddler crabs Noted on the mainland of southern Mindanao, at Buluan, January 31, 1904. Hound in a mangrovebordered swamp. Ven were seen on the Rio Grande, cat Kudarangan, southern Mindanao, March 6, 1904. Noted on Lake Lanco, Mindanco, in September, 1903. a Heron, apparently this one, flew past the First Division Hospital, Manila, Cugust 17to 21, 1904 One was Kept in the Zoological Vardens, at Manila, August 1904 to august 15, 1905. Several were seen on Lake Lanas, Mindonas, Softender 28 1903.

68 (Sheet II.) Nycticorax manillensis Vigors. Manila Night-Heron. Two of these birds that were Kept for a long time in the zoological gardens of Marila would quarrel and sometimes fight fiereels, when they would elongate Their necks, Isfread their wings and go at each other like a souple of cocks, croaking for they. Your overe seen at the mouth of the estero which drains Mu Deranaya Warch, Minch 14,1964 Many were seen on the Agus an River, near Lake Etinas, May 8, 1904 I sound them roosling in numbers in the of Dibutu Island, January, Flocks were flushed from the trees beside the Naugan River, Mindoro, March 25, 1907. Benibi River, Mindoro, nov. 3 and 4, 1906 Cagayan Dulu Osland, Sulu Dea, October 15, 1906. Bitnaluc Island, aff Jawi Jawi Island, January 8, 1906. Panghang, Dumanquilas Bay, southern Mindanas; august 17,1906.

Dorsachius melanophus (Roffles). Speemin from Mr. Marquis L Robb. Band source.
One was brought to me by a soldier, bally shot with pifle bullet, 1906, not exerned. Several wire seen on the upper Buses Rien, a trebutary of the Orgunan Priver, earlem Undanco; lung 4,10 Lower Catubing him, north Damar, Colober 1,1906. One, at Lanang, oast Damas, October 3, 1906. Completion well, east evast of Damar Island, Deplimber 5, 1906.

(Sheet I.) 107. Quitoriais javanica (Horsfield).

Low Good Wiscapan Filipinos of Manny, S. Window.

Doo'-oong (Moros of Zamboar, J. Woted on Latte Lanco and the agree River, during augustand Noted at Baganga, eastern Mindania, October 22, 1903. " " Manay, southern ", " 23, " On October 19, 1903, this Haron was seen in minuters all along the Rio France up to Lake Liguesan, Mindanav. abundant at Davas, southern Mindana, Och 21, 1911. Noted from Makar and Odula, on Darangani Bay, southern Windanas, October 26, 1903.
Capitaria
Aprenium for me a! Stan, southern blandanas, October 26, 1901. Noted on the mainland of southern Uludanao, Gan= mary 31, 1904. Noted at Damboanga, Mindanao, Fibruary 13, 1904.
One mas shot, by Caplain Langhorne, U. S. army, at on a river near Mueas, on Sarangan Bay, northern Uhridanao, P. J., was ovipositing. Two were seen on the shore of the island of Cagayan Sulu, ni the Sulu Sea, February 25, 1904.

107. Bretorides javanica (Horsfield) Little Green Heron, Doaw one in the awary of Lasplaning Coffin, Commandant of My Maral Station, Mindanao, March 2, 1904 One noted at Daiir, on Lake Lanav, Opril 10,1904. Common at Malabang, Mindanao, October 7-9, 1903. Several seen, one shot, at Glan, southern Ulin-= danao, October 26, 1903. noted an Lake Liguasan, Mindanao, May 19, 1904 and on the Buluan River, connecting lakes Buluan and Liquasan, May 20 to 22, 1904. Its not closely resembles that of the Courier Butorides virescens. This small Heron was quite numerous along the Gio Strande from Lake Liguasanto Au river worth, May 28 and 29, 1904 When ascending the Tubay River, northeastern Muidanao, april 22, 1904, many were seen. Obundant at Davao, southern Mindanao, July 15 to 20, 1904 Jubay River, Mindanao. - Opril 22, 1904: "extremely numerous." Later "very abundant. One next contained half-grown young, which ran about in stranded driftage "One nest, with largeryoung, on snag in Lubay Kiver." Abundant on Lake Lance and Clases R. at Pointar flug of Sept, 1903. Joan- one of these birds in the arrang of Commander Finder= = xorch M. Coffin, U.D. Travy, at Pollok Haval Station, southern Mindanao, March 2, 1904. Seranaya Marsh, and Labas, in the Libraryan Valley, east of Cotabato, Mindanao, March 12 and 13, 1904.

(Sheet I 107 (Dutorides javannea (Honfield). Seranaya Marsh, Rio France Valley, Umidanas, Maich & 12 Labas la Veranaya, Rio Grande Valley, Mindanas, March 12-13,1900 Very abundant on Latte Maint and its outlet, the Jubay Krier, northern Mudanao, April 22-24, 1904. On the Tubay River and Lake Mainit, northern Mindanad, april 22-24, 1904, these Herous were exceedingly plentiful; seen everywhere, all the time. Young, half-grown, skylarking about driftage May 2 tot and 3, 1904, this heren week abserved to be rare from water to the rounce of the Catel Min in the Coast Coast Hange of Mindanao. May 4, 1904. - noled on the Bacoco River, a trib= = citary of the agus an, in eastern Mindanao Very abundant on the Oguson Pewer, from Tilar to Jativa, Mindanao, May 6, 1900, when I moted that its cry is alword exactly like that of Buloride, Mire seems. a mule was skinned. Jativa to Palrocino, agusan River, Mindanao, May 7,1904; one. Laste Linao, Cousan Valley, Mudanao May Sand 9, 1900 Many on the Clynsan Kier, from Lake Linao to Valacogor,

(Sheet IV.) Quitorides javanica (Horsfield). agusan River below Baluan, Mindanao, May 11,1904 Gimanez, northern Mindanao, May 12, 1904. ( / Some were even along the Marila and Dogrepan Railroad, Buld River below Twin Peaks, Luzon, November 30, 1905. Very numerous on three amall wooded islets off the south end of Sibutu Island Jan. 5. 706 Duigra L'o Padsan Alocos Norte, Luzon, January 17, 1632 Thocks at Vintar, Hocos Norte, Luzon, January 24, 1907, One, only, at naghartian, do March 1, " One near Davila, do Branch 9, ".
Lagupan River, western Luzon, 2 reembre 23, 1906. Dino in Vound Him, noue Codquis, tugon, X accuber 24,1906 Abundant at Casiguran, east coast of Luzon, June 1, 1907 Abundant on Naujan Lake and the Naujan Rwir, Mindoro, March 25, 1907. La Mitan Kwir (specimen 13943), Basilan Id., Fieb. 4, 1906 Malamani Island, off Basilan Island, 416 mary 13, 1916. Lower Calubig River, north & amar, October 1, 1906. Lower Catubia River, north Damar, October 1, 1906. Felv, at Sanang, last Damar, October 3, 1906. Deveral Wood shot one on the lower Catel River, east Mindanao, October 5, 1906.

(Sheet-V.) Butorides javanica (Horsfield). Caraga, east Mindanao, October 6, 1906. Manay, east Mindanao, October 6,1906; one shot by Captain Halslead I orry (No. 14383, 7 juv.). Abundant, two shot, on Toran Island (off Ubian Island), October 12, 1906. Furnindas Island, of Ditanki Island, October 13, 1906. Cagayan Dulu Island, Sulu Dea, October 15, 1906. About 10 seen in little tufts of mangrove off Dinalue Island, January 8, 1906. Maimbun, Cerater Lake, Diet Lake, and Diet Lake Beach Lulu Island, March 1 and 2, 1906. , Dorry's Camp 4, of Jan. 30, 31, 1906] west coast of Basilan Island, March 3, 1906. Jangpang, Dumanquilas Bay, southern Ulindanao, August 17,1906. Cabo Island, Igat Bay, off S. Mindanao, april 2, 1906. Fatima Island, Dunanquelas Bay, of S. Windanso, afril 2, 19do. Hyala, western Mindanao, august 27,1906. Clout 10 noted on Madan Island, off the east coast of Cebu Island, September 3, 1906. Common, 3 shot, on Couyo Island, Julu Dea, Deplember 10, 1906 Mariquina River, near Mainla, Luzon, Deplember 17, 1906 Taytay, Vizal Province, Luzon, Deptember 21,1906.

71 (Sheet I.) 106. Bubuleus coromandus (Boddaert) Latte is it Carabao-Bird. Garga Blanca (Spanish) Tikitimo. Wah- boon Viscorgan filippinos of Manay, souheastern Mindanao and the Cigusan River Valley. Of pair of White Harons seen on the island of Coagayan Sulve, Feb. 25, 1904, may have bean this species. Noted at Daganga, kastern Mindaiai, October 2. 15. 2 " " Mati, routhern " " 23, " " 18, " abundant on the Rio Grande, Mindanso, Catober 19, 1903. Very tame everywhere. One was sim perched on the breck of a carabao. Noted at Davao, southern Mindanas, October 24, 1900. " Malabang, " Movember 1, " November 1, " ... on the west shore of Lake Lanao, " " 2, " ... 2, "... 2, "... 2, "... On the island of Sulu, V.D., November 12-26,1903, "Carabao Birds" were noted as follows: From Hassan's to the Upa're wita, Nevenior 14; on the trail from Upa's house to Cerater Mountain, November 15, 1902; at Mit. Sulieman and Mience to the treach at Tagliti, Nov. 20: Jaglivi to Jolo, November 21, 1903. Jolo, Dulu, Novem= = der 21-26, 1903. | Pata Island, off Sulu 1P. I., November 25, 1903.

(Bleet II.) Caralat - Bird; Terthe Egist. 106. Qubulcus coromandus (Boddaert). Abundant at gamboanga, Mindanao, P. J., Dec, 2, 1903. Leveral Wood shot two, near gamboanga, at a mudhole in which a head of earabao er water buffalo was wallowing. These animals rushed out, shook their heads threateningly, and aged the two ded dead brida with as much resentment as if two of their own member had been Kelled. The Carabao-Brods follow the range cattle, introduced from India and Circutralia, as well as the carabao, frequently alighting on their beads and books. The flories average about 25 birds. They are surprisingly time, Sotte Moros and Filipinos consider them good food. Seen in large flocks on the Cabasaran River, southern Muidanas, January 30, 1904. Large flocks of Carabao-Birds were noted along Atu Ceabadaran River of southern Mudanav, January 31, 1904. At nights their worls were found in trees standing off shore, where they probably found greater February 14, 1904 Flores were seen at Sipulog, northern Ulindanao, P. D. Hlocks were noted at Lubungan, northern Mindanco, Feb. 14, 1904 Moled at Fligan, northern Mindanao, February # 1904.

(Sheet III.) Carabao - Bird; Cattle Egret. 106. Bubuleus Roromandus (Boddaert). noted at the Subano village of Mucas on Din= = dangan Bay, northern Mindanao, P.D., February 16, 1904. Hoted near Mpair marketplace at Bual, on the island of Duly, F. J., February 20, 1904. I saw white Herons of some Kind on The north Sea; Hor and Captani Langhorne, usarmy, sow them near the south side, February 25 and 26, 1904. Captani J. L. Smith, 14th Infailer, U.S. any, found a "large white Heron" on the island of Scassi, P. D., in 1841903-4, which may have bean This of teres or a species of Herodias. Those seen at the Pollox Maval Station and on the Lowest part of the Rio Grande, Mindanao, March 2, 1904, had acquired the saffron-colored plumes. March 3, 1904. Cottabato, southern Ulindanao; many seen at daybrast. flocking by). At evening they began to assemble at a roost on the a little island in The Rio Grande apposite Cottabato at 5:30 P. M. afterhundreds had assembled in a lettle grove of nipa palm, on the river's edge, hardly large enough - one night suffore for 100 lends, I be gan to court the incoming flocks, which

106. Bubuleus coron andus (Boddaert), Cattle Egrit varied in numbers from two to 30 brids each, until 443 had arrived for fore it became loo dark to count them. I estimated that almost 1000 buch "The roosling in that small taft of nipa, which is their regular, nightly roosling-place. Mail, all Mar aigrettes and suffron-eoloved heads and backs. Motel at Kudarangan on Mulio Grande, Mendanas, March 6, 1904 Many flores seen between Kudarangan and Barak, in the Kio Frande Valley, Mudanav, P. J., Warch 7, 1904. Noted from Camp Vicars to Souir, on Lake Tanao, Unidanao, april 2, 1904. noted at Kogayan, Taraca Valley, april 4, 1904 Great Flocks were oven about the mouth of the Paraea River, on Lake Lanao, Cepril 5, 1904. On the upper Jaraea Kwir, april 6, 1904, "enormous floores" were noted, april 6, 1904. We found large flocks of Carabao-Berda at Basayan, near Lake Lana, april 8, 1904. I shot one (No.13 4 34), which was a male with tested snormous, and with saffron-colored suptial plumes. It was cooked by a Hospital Corps soldier of the, who are it and said Meat it was extremely good. Many floers on Lake Lanso, about Sauis, Opil 9 and 10, 1904 Dr. H. F. Strine, U. S. Navy and I saw mary of them near Basel Doabella, Basilan, January 19, 1904 Deveral immense floors of Cattle Egrets were noted at Malabang, Mindanas, October 7-9, 1903.

(Sheet I.) 106. Bubuleus coromandus (Boddaert). Cattle Egret. Noted at Buldung, Mindanao, October 1 and 2, 1903. Hock of " " Lake Bulia, ", October 5, 1903. On the Buluan River, connecting lake Buluan and Liquasan, Mindanao, May 21, 1904, Videntified one individual of this ofecies, and saw four other white Herous which may how been it. On May 22, I noted a flock of them between the moro village of Buluan and Lake Buluan, and others were seen on the lake. When descending the Buluan River, from Buluan to Lake Liginasan, May 27, 1904, this species was again noted, but out, in small mumbers. These egrets were common along the Vio Trande from Lake Liguasan to the swermouth, May 28 and 29, 1904. In the town of Dinagat, Dinagat Island, April 21,1904, I saw one white Egret perched on the roof of a nature house. It had no saffron plumes, but was supposed to be this species. When ascending the Subay River, northeastern Mindanso, april 22,1904, "many" were noted. Colomdant at San Kamon Harm, 15 miles wir. of Ramboanga, Mindanao, P. J., March 23, 1906. Seen at Margosalubig, D. Mindanao, april 2, 1906.

(Sheet. VI.) 106., Bubuleus coromandus (Boddaert). Tah bon (Wisagans of the Legusan Vallage Frederick W. Coffin, U.D. Mary, at Pollok Waral Olation, southern Minidanas, contamied one of these egrets which, on March 2, 1904, had acquired its saffron-colored mifilial plumes. Piangs to Barak, Rio Dvande Valley, Minidanao, March 7-11, 1914 Deranaya Fort, march 11-18,1994 Libungan Valley, east of Ceolabato to Seranaya, Mind. Noted on the Rio Grande, it the month of the estero Which drains the Geranaya March, Villad 14, 1901. Abundant from the month of the Deranaya estero to the mouth of the Rio Smarde, March 14, 1904. about That of those seen had agained Mucast ron-colored nuftial plumes, the remainder bring sit with (Ubundant on the Dubay Kurn and Take Mainit, northern Mindanao, April 22-24, 1904 Carabaosbirds were abundant at Varicella, on Au aquesan Kwir, where are carabao and Undean humped cattle lot fativa were only Indian cattle ; but with them us Saw a flock of Carabao- tourdo. These two flocks are all seen since leaving Baganga Lutte Lingar, Cognisan Valley, Mindanao, May 8 and 7, 191-Take Lines to Valace ogon, Pous an Valley, Muidanas, Many G. Port Jahr-bon is the name used by Visagans of the agusan Valley, Willindanas; but this name is usually applied to the Magaposis.

(Sheet VII.) Bubuleus Poromandus (Boddaert). Butuan to the mouth of the agusan River, Mindanas, Man, 1906 Abundant at Vinnenez, northern Mindanao, May 12, 1904. Motest at several points on the Manila and Dagupan Railroad from near Manila to Camp Legy, Lugon, July 2 gard 30, 1905. Dan Sidro, Mueva Ecija Province, Luzon, Nov. 27, 1905. Pozorvubeo, Tangasman Province, Luzon, Nav. 30, 1905. Two were seen at Trinidad, at the elevation of about 4500 feet, in the highlands of Benquet, Luzon, Dec. 3, 1905. Thocks were seen wherever there were earabao from Bued River Campon to Dagupan, diegon, des. 17:17. Many good-sized flocks unremoded between Lavag to Dingras, do La zon, January 14, 195%. Dingras to Padsan, Slocor Norte, Lu zon, January 14, 195%. Flocks about the carobaos near Pasiquin Hoers Trote, Much 9, 1907 Dagujan, Pangasinan Province, Luzou, 2 se 23, 1406. Du lærge flocks from Bued Minn Campon to Lagupan, (Tangasinan Trovince, Luzon, Yanuary 4,190: At base of Mount Mayon, near Legaspi, Albay Province Luzon, March 28, 1907. Apari, northern Leizon, May 29, 1907. Abundant at Casiguran, east Coast of Luzon, June 1, 1907.

(Sheet VIII.) Bubulcus coromandus (Boddaert). Teli Hest Aprings, near Dibi, southeastern Lugon, June 3, 1907. Near Tabaco, on base of Mount Mayon, albay Orovnice, Luzon, June 4 and 5, 1907. A large flock was seen on Huga Island, P.J., May 29 and 30, 1907. Woled on the trail from Naujan to the Naujan Rwir, Mindow, March 25, 1907. The cattle egret was not seen when I first visited Palmas Island; but I saw a flock of about twelve there, on October 7,1906. Hadsabella, Basilan Island, January 26, 1906. Detwern Camp no. 1 (Isabella) and Camp no. 2, Basilan Id., Jan. 28, 1906. Between Camp No. 3 and Camp No.4, northwestern Basilan Island, January 30, 1906. Hlocks in south Basilan, between Camp U. 3 and Camp No. 4, Feb. 16, 1906. Lower Catubig River, north Damar, October 1, 1906 Common on the lower Catubig River; two shot at Catubig, north Samar, October 1, 1906. Hocks of carabao birds were seen on the lower Catel River, east Mindanas, October 5, 1906, when Houl Wood shot 1. Noted with the carabao on Dulu Island, between Jolo and Bud Dajo Peak, October 11, 1906: Hlock at Bona Bona, San antonio Bay, east Palawan, October 17, 1906.

(Sheet IX.) (Bubuleus coromandus (Boddert). Sulu Island, from Jolo to Mainbien, Bud Dajo, Corater Lake, and Diet Lake Bords, March 1 and 2, 1906. , Dorey's Camp 4 of Jan. 30, 31, 1906 West coast of Basilan Island, March 3, 1906. ( Woundant at Garang Parang, southern Mundanas, March 14, 1906. The tame one was still running at Carge about the fort. Cotabato, southern Mindanao, March 15, 1906. Malabang, southern Mindanao, March 15,1906.

(Sheet I.) 72 Drobrychus) 111. Ardella sinensis (Guelin). Little Vellow Bittern. to 19,5 Lake Lignasan, Mindanao - May 17, 1904, very abundant. In flight it exhibits dark blue wing-quells, with buff coverts, the greater coverts offearing almost white. Although no ofecimens were taken this Heron is found, in all of the big prossy marshes of Mindanes. Seen on Lake Lando, Mindanes, in September, 1903. Abundant on Lake Tiguasan, Windanao, Cetober 19, 1903. One seen at Zamboanga, Windana, In marshy places in the vicinity of Panglina Hassan's residence and of his cotta in a awarup at the foot of Cerales Mountain a "little dark Bittern" and a "large Bittern" were noted, November 15-18, 1903. The small Bitterns were not ardetta simmamomea. One evening, I vode within ten feet of two of them that stood motionless beside a food with their bells possed straight up in the air, in a place devoid of cover they did not fly or move. an "small brown HEron" was reported from. An island of Diassi by Captani J. L. Duith, 17th Infantry, Uscerny, which may have bern Mus offeries of a. Crimamorne Mumerous on the Buluan River, connecting lakes Buluan and Ligingan, Mindanao, May 20 to 22, 1904. Some were Rein at Salle Buluan, May 22, 1904.

(Sheet II.) Dxobrychus sinensis (Swelin). Little Jellow Bittern. Mun descending the Buluan River, from Buluan to Lake Liginasan, May 27, 1904, this pretty Bettern was again seen in abundance. Deranaya Marsh, Rio France Valley, Ulindanas, March 8-12, 19011 One was seen at Trinidad Lake, in the highlands of Benguet, Luzon, at the allitude of about 4500 fet, Doe. 3 Abundant on Paray Lake, Floors Worte Provinces, Luzon Hebruary 5, 1907; many lived in sugar come grown beside Coloundant on Naujan the lake. Lake, Mindoro, March 25, 1907. Congo Island, Dulu Dea, Deplember 10, 1906.

(Sheet I.) · Colored a (NG ... - er us) 110. Aracita (cimamomea (Amelin). Wah-nas (Moros of Zambounga). Hotel at Lake Lanao, during September, 1903. Noted at Jamboanga, Ulmianna J. J., Golin, 10 - 11/1/2 Very abrundant along the branks of the Rio Grande, and on Lake Lignasan, Mindanio, Welober 19, 1903. ( Abundant in the marshes and rice paddies of Jamboanga, Mindanao, S. J., December 2, 1903 (28hot). Jambourga, Dec. 7, 1903. This species lives in shallow water among the tall grasses and water plants, where its freehar note is frequently heard. It's meat is very good food. Noted at Lubungan, northern Miridanas, February 14, 1904. Abundant on the lower course of Jaraca River, from the up to Sometimies hard to hard. that had to Malungan, Lake Lana-Basin, april 5, 1904 Cue hid in the grass beside a little pool and sould not be find. Common at Busuyan, april man Lake Lanco, april 8, 1904 noted at Sauir, on Lake Lanco, april 9 and 10, 1904. Observed and Lake Buteg, south of Lake Lanco, and at Datto Grande's place, between Lake Butig and Mataling Falls, October 5 and 6, 1903. Lake Liguasan, Mindanao. - May 17, 1904, abundant.

(Sheet II.) Dxobrychus (Nannoenus) einnamomea (Gwelin). Little Chestrut Bittern. Noted on the Bulwan River, which connects Lake Buluan with Lake Ligirasan, Windawso, Way 20% ; descending this stream, from Buluan to Lake Leguasan, May 27th, it was again seen in abundance. Pinngs to Barak, Rio Frande Valley, Trindanas Mande 7-11, 1904 Deranaya Fort, March 11-13, 1904 Hoted on the Kio Grande, at the mouth of the estero Which drains Mu Seranaya March, March 14, 1906 Munerous at Jimanes, northern Minda nao, May 12, 1904 Mumerous along the Manila and Dagupan Starbroad, from Marila to Camp Gregg, Luzon, July 29 and 30, 1905. San Vaidro, Nueva Ecija Province, Luzon, Nov. 27,1905. Very mumerous around the steeres of Pasay Jake, Slocas ligite Province, Largon, February 5, 1907. Naghartian, der "15 to March 9, 1907. Province, Luzon, March 28, 1907. Base of Mount Mayon, mear Solvaco, June 4 and 5, 1904. Il few were on the shores of Navyan Take and Kwir, Mindoro, March 25, 1907. Clan Makeo, Rizal Province, Luzon, Deplember 17,1906.

(Sheet III.) Tasig and Santay, Priza (Province, Luzon, Dept. 21, 1906. Our, seen at Dulag, on the east about Lengter, July 25, 1406, uttered a croaking mote during flight.

Lui tory 109. Proletta flavicollis (Latham). mata le l'ar u. not it on the form in the try + left, 1903 Noted at Zamboarga, Mindonas-, P. J. October 10-16. Seen frequently along the Rio Strande and on Lake Liquaran, Mindanao, October 19,1903. a "large Bittern" was noted mear Pangline Hassan's place, on the island of Dulu, P. D., November 15-18, 1903. Motedat Cottobato, southern Mindanao, March 3705, 1904. Noted on Lake Lanaia Bittern was noted at Basayan (near Ragayan), Lake Leuso Basin, April 8, 1904; and "at evening Bitterns were booming", but I am not sure that this the species heard. Noted at Sains, on Lake Lanas, Opril 9 and 10, 1904 Lake Lignasan, Mindanao. - May 17, 1904, abundant, also noted on the Buluan River, connecting lakes Buluan and Liguasan, May 20, 1904. In descending Atu Buluan River, from Buluan No Lake Ligicasan, May 27, 1904, it was again seen at many places. Some were noted when descending Milkio Wrande from Lake Liguasan to the revermonth, Mar, 28 and 29, 1904

(Sheet II.) 109 Dupetor flavierollis (Latham). Hoted near Barak, Rio Drande Valley, March 7,1904 Deranaya Marsh, do , march 8-12,14 .... noted on the Rio Grande, at the mouth of the estero which drains the Oeranoya March, Minch 14, 795 (I pair and several single birds were noted on The Tubay River, northern Mindanao, April 22 and 23, 1904 Variedta to Lake Kingo, very abundant, vir the Clopesan Vulley, Mindanao, May Sam, Ji; especially, abundant on the butter of the middle of and Lat. Kinno to Valacogon, agusun Valley, Mindanav, May 9, 1904. On Much land of Batan, P.J., May 27, 1907, Mr. William Dorr Carpenter shot the only specien seen, near the town of Santo Doming - in Base.

Dendroeggna vagans was taken at ?.... (Sheet I.) 119. Dendrocygna arcuata (Suvier). I'm his his-ling Tree Ducks (all species of Dendroeygna seen are included under this at present.) Kah-ging-Knig (Moros of Lake Lawas). Pato-del-monte (Viscayan Filipinios of Zambounga). The True Duens of Lake Lando appeared larger than Those of "Lambounga". There are specimens of both. Small Free Ducks were noted at Zamboanga, Mundanco, P. J., October 10-16, 1903. Abundant on the Rio & trande and Lake Liquasan, Mindanao, October 19, 1903, at which time no other Duck was identified. Common (I small Dendroeygna) hot) in the marshes and ricefields of Jamboanga, Mindanao, P.J., Dec. 2,1903. "Jamboanga, Dec. 7, 1903. Not fat, but, feeding on rice, it hers an excellent flavor. No otherd were seen here. The "large" Tree Diek was noted at Lubungan, northern Mindanao, February 14, 1904. at Pollok, southern Mindanao showed me falange I lock of Tree Ducks that Moros had saught young, One of then had died, and was added to my collection.

75 (Shect II.) 119. Dendrocygna, Cell species Philippie vivi-bran pil. Le nor Mariano de Lion, Presidente of this istand of Cagayan Delu, P. J., says There are no wild Duck on that island. Captain / W. Coffin, March 2, 1904, at Pollot, Min = = danao, where I saw a clozen more in the aviary of this officer, they made very attractive fets. The Moraz trap them and sell them in their markets for food Moted at Kudarangan on the Rio Strande, Mindanas, March 6, 1904. " between " and Barak " " " " " " ". Very abrundant at Souir, on Latte Lanao, Mindanao, Cepril 2, 1964 abundant at Sauir on Lake Janav and at Rogayan, Taraca Valley, apr. 3,197 Hocks were heard flying about and over our camp at 5,1904, Rogayan during the monlight night of aprile 3-4,1904 at Matungan suarry our Jaraca River, flocks began to hoss over our camp before daybreak, and continued until after down. Later, many of them were Jours freding at the rivermouth. Noted as far up the Taraca River as Valaum, april 6, 1904. Noted on the Taraca River, from Galanan to Basayan (near Lake Lanas), and in great numbers at the latter place: The Dondroeggna is the large, whitish-runged species Known to the Unicayan Filipinos of Mendanao as Pata Marina, the smaller spicies being their "Pata" moste" I have not seen the

(Sheet III) Dondrocygna arcuata Horsfield. Philippine Dree-Duck or Deal. Several Wood and Capt. Me Coy shot 20 at Sauir, on Lake Lanao, april 9 and 10, 1904, When hundreds were seen feeding in beds of water-lillies + lotus, and water-cabbages. Moteel at Isalella, Island of Basilan, January 19, 1904. Some were shot by Captain Francis J. Siviler, 28th Infantry, the and Contract Surgeon John Hicks, U.S. army, September 27, 1903, on Lake Lanao, Mindanao. Many large flocks when seen in Lake Lanao, passing over at daybreak, Deptember 28, 1903. In croping from Marahui to Vicars, no Lucks were seen on the Open water.

Cloundant at Malabang, Mindanao, Oct. 7-9, 1903. abundant at Lake Buting ( south of Lake Lando, Mindando, Cetobre 5 and 6, 1903; also at d'atto Grande's place, beturger Lake Buting and Vicars, Mindanas, October 6, 1903. Lake Liquasan, Mindanao. - May 17, 1904: Immerable flocks passed over the Lake during the early morning. Ducks Greed in great mumbers in these grass islands. The Moros sell the eggs, and search the floating grass bogs islands that drift down the Vio Grande during freshets for mests of eggs. Dendrocygna builds its mest in the grass. May 18: almost all of the Ducks seen on the lake were of this species.

(Sheet IV.) Dendroeggna arcuata Horsfield. Philippine Tree-Duck or Neal. Lake Liguasan, Mindanao, May 17 to 19, 1904. -Everywhere abundant except on open water. It like An shallow lagoons in the marshes, which are its May 20, 1904, on the Buluan Ruer, connecting lakes Buluan and Liquasan, Mindanao, Many Wire Geer. In fact this Duck was afterwards noted as exceedingly abundant on the Buluan River, May 20 to 22, 1904. Abundant in the marshes bordering Laxe Bu-= luan, Mindanas, where General Wood and Bishof Derent Kelled seven, May 22, 190-; and great numbers were seen in desecunding the Buluan River to Lake Ligicasan, May 27, 1904. On the Rio Grande, from Lake Liguissan, May 28 tol and 29, 1904, it mas frequently seen in smaller Aleek. In Juzon this species is snared or netted in great numbers by natured, for the weathers These ducks assemble in great flights after sunset and before surrise. In camps d'often heard them during the night. On the shores and points of land of suland lakes they assemble in daytune in such numbers as to give a distinct coloning to the sloves

Kah-ging-King (Vibayans of the (iguamiziers) (Sheet X.) Dondrocygna uncuata Horsfield. The aviary of Commander Frederick W. Coffin, U.S. Havy, at Pollok Naval Delation, southern Ulindanas, on March 2, 1904, contained twelve of these dueks which Moros had brought in from the immediate vicinity. In exercising Lake Lander, Sept. 28, 1903, Mough the shores were lined with these Ducks, more were seen upon the open waters of the Lake. (Prange to Barak, Riv- Frond Walley, Unidanal, March 7-11, 904. Junge floors flow over Datto (Oling Meranaya fort, march 12-13. 101. At daybreak thousands of these ducks flow overhead, on the Rio Grande at the mouth of the estero which drains the Seranaya March, Marche, 19 Some were shot on Lake Maint, northeastern Mindanao, april 24, 1904; abundant on this lake I was informed that enormous flocks abound mi An Cake & of the middle agus an Valley, Mindanas; lent I saw no ducks at the time of my orset, Man 8 and 1. 1900. finances, morthern Mindanao, May 12, 1904: Cebundant Whay workally wounded, in flooded rice lands, where Dalot 3, They dive and sulangle themselves among the polygonum and grass and do not rise to the surface when dead.

(Sheet VI.) Dondroeygna arcuata Horsfield. Telivern Manila and Ceamp Gregg, along the Manila and Dagupan Kailroad, this duck was seen at several places; also at Camp Gregg, in Sengaman, Ofuly 29 and 30, 1905. San Isidro, Nueva Ecija Provnice, Luzon, Nov. 27,190: about 20 were on Frinidad Lake, at about 4500 fæt, in Benguet Province, Luzon, Dicember 3, 1905: Abundant on Savay Lake, Horos Horle Frovence, Luzon, Jamery 27, 1927; on February 5, 1907, flores of hundreds were seen, and six shot, on Passey Laike. Duess, probably this openies were seen off the mouth of the Cagayant wir, northern Lugon, May 26,1907 Apari, northern Luzon, May 29, 190 L. Luzon June 1,1907. 21 Were brought in from Vanjan Lake, Mindoro, where the species was found in large flocks, March 25,1907. Hlocks of many hundreds were seen near Captain Halstead Dorey's mapping camp, No. 4, on Janu= = ary 30, 1906. Doneral Bliss, Capt. Doren and remodel subsequently visited this shot, and made a good bag of this duck and Dendrocygna guttulata.

8 At La Mitan, Basilan Island, Febr. 4, 1906, rur. J.M.
Browne, Deputy Governor of Basilan, showed me 11 duck, raised from 1129gs found in a next in a ricefield. They were then 4,3 grown.

(Sheet VII.) Dendrocygna arcuata Horsfield. Camp No. 8 to Camp No. 9 (Musser's), Basilan, Feb. 21, 1906. Near Isabella, north Basilan, Feb. 21,1906. Diet Zake, Dulu Island, March 2, 1906. Of ducks shot on a march of West Basilan Island, March 3, 1906, were this species, and the remainder Dendrocygna guttulata. At leebu, were heard of immune floore of ducks on the neighboring island of Mactan; so we procured boats and a guide, and set out, on September 3, 1906, for an afternoons sport; but, after wading Mirough muddy mangrove sevamps, and crossing the island, we found just 3 dueses of this species in some rocky tanks near the village of Opin. Ino were seen to alight on Bisucay Island, near tenyo Island, nithe Dulu Dea, Veptember & 1906. Vaytay, Vizal Srovince, Lazon, Deptember 21,1906.

(Shell 1.) 191. ana luzonica Maser. Dusky Mallard ( of Ala Commicanes). Jan-ah-finar (Moros of Lake Lanaot, No 12959 God. Whilippine Mallard. His species is vary abundant on Lake Lanao and the Gordering marshes. O) saw some of Mien on lakes Liguasan and Buluan, and great munities of them in the swamps and marshes bordering the Buluan River, which connects these two lastes. april 2, 1904, I paw hundreds of them at Sain on Take Lando, Mindanas. One was phot and eaten. He throat was filled with fresh-water univalves the size of grapes; 3, 10,1 Municione from Bouir, on Laste Lana, to- Riguyur, in the Jamentally, 1910 Flores of Ducky Mallarde Slow our our compact Propage a during the bright mondit night of afril 3-4, 1904. Of Talungan and the source product Mr. Janaca River, man, Almera ware como esquis, 1904, got, coising of James. Noted april 8, 1904, Conturan Galarian and Bos = - organ, on the Jaraca River; and three were shot at Besagan, near Hagayan and Lake Lanco, by Capturi Frank R. Me Coy. We sow many Locks and noted, that its Alight is lite that of and borders aboutet at Danie, on Lake Lunao april 9, \$ 10, 1904, when Link. Wood shot two at one shot, and attens were hilled leveled be distinguished in flight by the hurselite of under side of evering.

(Sheet II.) 121 anas luzonien Finaser. Philippine Titalland. Some une shot by Captain Frances I. Siviler, 28 th Infaitry and Continet Surgeon John Heeks, On Lake Lange, Mindanao, Softenter 27, 1903. Cue olot, many seen, at Lake Bulig, south of Take Lande, Mindanno, Cetober 5, 1903; moled at Datto Frande's place, between Lake Builing and Vicars, October 6, 1903. Lake Liquasan, Mindanao - May 17, 1904- Hoid in very small numbers, feejing over the lake; much more abundant on the Buluan River, connecting Lake Liquasan with Lake Buluan, May 20, 1104 It was not uncommon on Lake Buluan, May 22, 1904, where one flock of Rix and many others were soon; And, in returning down the Buluan Privir to Lake Liginasan, a great member of these ducks were seen Seranaya March, Olio XIvande Valley, Min = = danao, March 8-12, 1904 Holed on the Rio Grande, at the mouth of the estero which drains the Seranaya March, marchelle, This species is said to allowed on the great Cancerof the middle Orgican Villey, Mindanie; but at the unie of my Priet (May 5 mul 9, 1904), we done 100 of any Kind were seen, although wading birds Manila to Come, Stregg, on the Manila and Ragufran Railread,

(Sheet in) Anax luzonica Hraser. Man Pridro, Aneva Ecija Province, Vuzon, 1/00.24.12. Larry Min, man Padsaw, Mores Morte Lugen, Jan. 17, 1900 Two ohot on Taray Like, Horos north Growing Luzon, January 27, 1907. Hundreds of these ducker were acenon Paray Lake a shut of fresh water mean The sea probably measuring 10 to 12 miles in cerounterense Quack's like tame duck. They were equally abundant on Nebruary 3, 1904, when the natures ( Olocanos) bried to pursuade us to buy a lot of live ones. They net them in great abundance, at night, on the lake. Shree mear Jasuguin, Horas Norte, Luzon, Fibruary 15, 1904. Abundant ni Darigayo Lake, do " 20, ", when Seriaco brought in 3. do abundant at Agraga, do March 5, 1907. Cin May 6,1907, Mr. William Der Ca: jenter a hot one of a flock, on Vrinidad Like, Bengand Fromie to 2600 Nagillian Boxeli 19 mid 20, 100%. Apari, northern Luzon May 29 1985. Tuzon, June 1, 1907

(Sheef I.) 126 (Photus milanogailer (Horster). Indian Snake-Bird or Darter. Many were seen, on the lowest portion of two ruris that enter Sarangani Bay, northern Ulindanao, of the Subano village of Mucas.

Many were seen of Souir, on Jake Lond, (1/2) also april 9 and 10, 1904, when returning to Camp Vices. Wenve some Zuiters on the Agus River at the Pantar bridge, Schlember 27,1904; and Captani Francis S. Asigniter and Continet Surgeon their shot one on Lake Downal were seen on Lake Lornac, Undanno (ultitude 2000 feet), Defetember 281903. Our pair nat on a rock in the lake, others on trees beside it. In Fletcher X. Keller saw this species on the Davao Kiver, southern Mindanao. Several seen, and one shot and caten, at Lake Butig, Wundant on Lake Liguasan, Mindanso, Wan, 17to 1904. On May 18, "a Snake-bird rose to the surface of the lake, in front of mybarrota, with a big fish Jurhaps & mehes in length wriggling in its dill. The Duake-bird tossed the fish up in the air and caught

(Sheet IL.) (Flotus melanogaster (Forster). Indian Darter or Drake-bird. it and tried to swallow it; but the fish twested out and had to be tossed up again. This true it got away and fell into the water. The Drake-brid followed it under water and eaught it under water, and, on coming up to the surface immediately arose in the air and flew away with the fish in it's treat Take Liquasan, Mindanao, May 18, 1904. - The Drake-bird, on alighting in the water disoppers all but its head and long neck, which ruses, serpentine, above the water. When frightened it. carefully withdraws its wings from the water and immediately rises. Large fishes at are swallowed entere. When rising to the burface with them it holds the fish crosswise in its brak, then to ssesit up, catches it headfirst and sevallows it . May 19: "Swall - birds were sverywhere abundont." On the Buluan Kir, connecting lakes Buluan and Liguasan, May 20 to 2 1904, the Snake-buil was found in abundance Its flight - by alternating glapping and soaring - is just like that of the floreda Snate - 15: not; returning, from Bulian to Like Liquoran, May 27, 1904. abundant on agus River at Cantar, Mindanao during August & Seft, 1903.

(Sheet TTI.) ( Hotus melanogaster (Forster). Andian Darter or Dnake-bird. In Lescending the Rio Grande, from Lake Liguasan to the rivermouth, May 25 and 29, 1904, it was seen in abundance. Tubay River, n. Mundanao. - april 22: " One." Libungan River, near Jabas, Mindanno, March 1319 4 As we haddled down the Sulvay River from Jabanga, on Lake Mainit, to Nantiego, Indiana, On Laste Mainit and the Jubay Russ, the Sunte Bird was very abundant overywhere. Dat on stakes and anaks and sometimes on high trees, driging wings. Tumbled into water, and swam with only head and nicek out. But few males in broading plumage prin. On Coaving Compostela, on a 5-day trej, down the Agus an Plus to Bulean, Undanso, May 5, 1904, the first toisel noted was a smalle land. Coundant at Jativa, on the Cogusan River, Ulin = = danao, May 6 and 7, 1904. Africant on the Agusan from Jativa to Patrocino, May 7, 1904. Varicella, on the Ogusan River, Mindanas, May Fond 8, 1904. Humerous on Lake Tinao and thence to Valacogon on the agusan River, Mindanao, May 9, 1904

(Shocker.) ( Hotus, milanogaster ( Trosser). Que was shot, January 17,1907, on the bant of the Larry River, mear Padsan, Hoers Horte, Lorgen, Jumary 17,180%. This should stand: Anhinga melanogaster (Sennant) (1969)
Anhinga melanogaster Pennant, Indian Zoology, 1969,
Anhinga melanogaster Pennant, Indian Zoology, 1969,
Anhinga melanogaster Pennant, Indian Zoology, 1769, p. 13, fl. XII. Plotus melanogaster (Pennant), Indian Zoology, 1769, p. 13, pl. XII. anhunga is one of Boissonis/ gin ia. (ine our off Offari, northern Vagen, May 26, 190: A hari, northern Dugon, May 24, 140 Diri, southeastern Viegon Comment Very abundant on Nanjan Take and its outlet the Naujan River, March 25,1907. Its habits are like More of the American species in Florida. Hutters a rough note, rarely, during flight. A number were whot. Deveral were been on the lower Catel Price, Cast Mindanas, October 5,19 0 Dr. Gesse R. Harris, assistant Surgeon, Us army shound meta skin of one collected on a stream in the vicinity of Varang Vasang, southern Mudanas, in 1906.

(ShectI) 17 Birds. No. 13736. x) ula (2.12.12, 1904. While sailing from Jolo on the istand of Sulu toward Ilivelo, when in right of the island of Tleg 10-2, this Boolog or Gainet ig alighted on the after davit, port side, of the 11. I. Filipino sailor was sent up by Captani Möller to ealth it as it slept. When caught -It ithred loud agrawking ories. When brought ne mito the after saloon it prompetly discharged the contents of its gullet upon a table. Hes Bill slate-black. How and gular houch hale blue, testingen the lower exclide the color mand with polest in tarse; claws whitish at base, shading to hor color at the Tail-feathers 12 short, with a ample long central rectrix. The a surements: 693;1400; 374; 225; 81 (height at base, 27); 37; 73 mm. The bird was thin. It flew over thiship many trues be fore alighting on the davit. It had a companion That chel not try to during the da, also a Blue and tout Rughester out of and the first drughester . Leen - that flow around, the ship but did not alight. Swifts seen in passing the isla. I Mindora (east pini.

(.Sheet II.) Lystorus. Ou seen on the Seilu Sea, britism Zamboanga and Cagayan Dulu Island, P. D., February 24, 1704. Roberting, Fishmany 24, there more were noted. (August 6, 1905, one was seen Alyning over Alu city of Manila. It breame enlargled in some overhead wires but extricated thelf and disappears Offered White Bootnes were cen, 2 secularis, 1905, Belivion Stoile, Panay and Complending Vory many, adult and young, were some on the Belebra Bea, off south Midanas, October 9, 1406. (Off east coast of Dulu Island, March 2, 1906. Between James ranga and pla, on the Sulu Lea, oflying morthward, March 8, 1906. Dea, between Mindanao and Cobutstand, Et Sof-= Comber 2, 1906.

largest; Jula priscator (Linnaus). adults are white all own with dark-tipped wings Young and m first plumage are dark Heroughout, but paler below - whitish on cression with a dark board in the chest. flance flance flance flance all change to white, it rest of the bod, Me waining dark, the anterior two-thirds being darkened Later / head and belly love? whiteih, with remains of the dark sides & pectoral band with abbotto adults, from the Indian Cocan, have the roft parts colored as foli. 128767. Ead. Providence Island, 300 miles S.W. of Seycheller, lane of lower mandible brick red . Chin black) bare skin. Trides dans brown . West in large numbers upon the island, builder upon casuarina trees.". "128772. Fal. Sle St. Joseph amirante grow Matin name Houbitt. 8W. of Seycheller d. 29/2 Bill pale blue, base of forstead pink. Heet red, Claws hom-blue. Orbital akin light blue.
Sular pouch black Drides de light blue. Figurale lays
Le egg challe white Breeds on this island in thousands.

Ralors of abbott's opening of Sula Expension. 20. 12876 ; 9 all dark. Providence Island, 300 M. S.W. of Seycheller, aug. 20, 1892. Tarsi White Webes leddish Bill black. Gular pouch lateblue. L. 28/2. Common (Creolef name, Font " Wo. 128773. all dark, aldobra Island, Indian Ocean, O. 1. 20,1892. Creole name Hou bête. (Young of small white booky." no. 128774. S. Head + breast dark; tail sump and crissim (Minder third of body) white. [ Indian Ocean, W. of Madagascan Dr. : abbott.] "The Glorieuse, Indian Ocean Jan/8, 1893. 2.282. Bill pale yellowish; ball of lower mandibe, pink; forebead sed; orbital skin blue; gular por black; feet brick red; irides blackish. 760.128770. 3. Same plumage as above. Same place. Jan. 18, 1893. Indes blackish. Fret brick red Bell Tale yellowish, base of low mandible? Tength 29'2. Orbital skin blue. Howhead red.

Sula piscator Specimens.) ( Colon of alis No. 128771. 2. Same 1 as last two (posterior, Muid white !. Gloriosa Island, Indian Ocean, Jan. 26, 1893. 2. 27 8 8. 57 2. Bill pale blue; for red; base of lower mandible pale reddish; orbital okin blue; Trides blackish; gular pouch black; feet brien red, clare purplish white.

Sula prisector Linnaeus was based on Brisson's Le Hou blanc (Orn. V. p. 501, 1760).
Sula emplica stephini sharis humatronly XIIII, pt. 1, p. 103 (1826).
Sula englinortypelia Luson, Traile d' , p. 601, 1831.

[2000 this sip.] Dyspones hernandezi, Gundlach, J. J. O. 18; ,. p. 298 [ Cuba]; 1881, p. 401. Dula corgi Maynard, Contr. Soi. I, pp. 40-48, M. 5-1-57, pl. V, figs. 1, 2, ff. 142 -143, pl. XII (...) Cayman Brack Little Cayman [, W. J. ?].
Siela rubripes Gould, B. Austrolia, vil for fel.

79,1846 P. Z.S., 1837, p. 156 (new South Sula brasilien. : Reichenbach, av. Sy. ..., Ja. VI. , 1852 (nec Spix | Natalores, Jul. XXIX, Two. 85/, 1850

(Sheet I.) Ascella : Dysporus Mila Comportir Two days out from the poland of Luam suroute. to Manila, P. J., July 23, 1903, one Booky was noted One Booky was seen on the Coleber Dea, off southern Mindanao, between & Han and Zourboanga, October 27, 1903. Between Dapilan and Bumbounga, off northwestern Mindana, May 14, 1904, one was of watering on the waves whead of the Ranger, at surrise, when Captain anderson tried to shoot it for me; but The Tooby flew too soon. One or two others wire seen betivern Lafitan and Jambeanga, May 14, 1904 Che white kellad Sula Baler, cast coast of Lugon, June to the Ane white build ala warren of within Mindanao, January 20, 1906, in the Cicleber Sca. Wie the Welletez Den, off southern telindruno, Costeveran the Darangani Valands and Jamboanga, Manuary 24, 1906, I saw from 100 to 200 Whiteballied boobies. Basilan Straits, Fishmany 22, 1966.

Dula leneogaster Boddaert. Abundant on the Suta Dea, off south Mindanso, (Cetober 9, 1906. " Many was noted in the Sule Dea, of the east coast of Palawan Island, October 18,1906. Marila Bay, off Corregidor Island, December 16, 1906. Bolod Islands to Baluk Baluk Island, Dulu Dea, Manuary \$, 1906. Ulff east coast of Julu Island, March 2, 1406. Beliveren Jamboanga and Jolor, on the Sulu Dea, flying northward, March 8, 1906. Many seen on the Celebes Dea off south Mindanas, between Jamboanga and Maryosatubig, March 13, 1906; between Malabang and Parang Parang, March 14, 1906; aff (Parang Parang, March 14, 1906; between Parang Parang Steaming west from Walabang, southern Mindanao) March 15, 1906, one booky was the only bird seen. during daylight; at daybreak, March 16, 1906, they were abundant until we reached Jamboanga. no Boobies were seen on trip from Zamboanga to Mariela and returning, July 8 to 27, 1906. A good many white-breasted Brobies were noted

(Sheetin.) Dula leneogaster Bodaert.
in the Dulu Dea of morthwestern Mindanao, between
Bumboanga und Camp Overton, May 6, 1906.

## Dula loneogaster Boddaert

Southeastern Mindanno June 9, 1904, for Mali, June 10, 1404, in Me Coclebro Doa of south Mindadao, on oceasional pair of Gannets of "Boobys", as the sailors ealled them, were the only brute visible. At 10:30 coin. a pair of these Tounets continually enoted about the ship. Their flight is somewhat like a Sullis, but the yellow feet, whilish bill, and wedge - shaped last served to distinguish them readily. after bring fined at, They again returned to the ship, and one was what. Mopping the ship, the Cooplan indered a Malay Dailor to grine over and get it, which the material did with a right good well: No. 13491, But Killed on the Coclebra Deu, in Congelude 124° 6, latitude 6 6.45 N, Off (S.W. Jimiles) Kanipan (Banks, S. Mudanso, J. 0)., June 10, 1904. Length, 775; alar expanse, 1460; roning, 390; tail, 240; culmen (chord), 102; trought of loid at base, 31; harsus, 41%; unidelle too with ets claw, so. I is brownish gray, with a white external ring. Bell yellowish white, dusky at extreme life, where it is more alivaceous above and more grayish loslow. Bare skin of face, and houch, pale yellow,

(Sheet IV.) EStila leneogaster Boddaert. except that the cyclids and space in front of case ure plumbrous. Foot plain, pule greenish yellow without dusky markings or stading Colaws grayish horn cofor. The individual was molling, with quill-feathers much forded and fraged by waring Whole alimentary track preserved in alected.

//\_\_\_\_\_\_

) / //

776

(Sheet 1.) 128. Fregata minor (Limelin). Lesser Parigate Barint. "Tregata ariel ( x fould). Drugiller Grigate - bird. On august 9, 1903, several firigate Birds were seen on the Dulu Dea, of & the north coast of Illin--danav, between Jameboanga and Lapitan. (One was seen off shore, when ridning from Taglibi' 10 Jolo, November 21, 1903. Golo, Dulu, November 21-26, 1903. Between Jolo, Sulu and Papa Island, F. J., Novem -- ber 25, 1903, some Fingate Birds were seen. "Blas Tive were some to getter, on the Deelee Dea, near Jolo, Dulu Valand, P. J., Watel 26,1906. Loo, praving high in air, off the southern part of A libute Island, in the Bute Dea, January 5, 14 Mot acen January 21,1906, when I first visited. (Palmas Island; but, on Oolober 7,1906, Januar a pair of Thoigates waring over the motion villing. Amo, off month of Ta Mitan River, Basilan, Frer. 4, 1906. ion porite from Balut Island to Zantoonga, on the toelebra Den, Cetobre 9, 1906, a floren of Arigales was seen. While ashore at Cagazen Siele Island, Cot, 15, 1906, I saw a flock of Fingates flying our rhead.

(Sheet Ill.) Tregala minor (Lhudin). Uregala ariel (Lfould). (a flook of 12, was moted off north Palawan, Deplein= -ben 13,1906. Dun one Freguta in Dula Dea off MN. Mindanoo, July 8, 1906.

(Theet II.) Fregata minor (Smelin). Firegata ariel (Lould). anchored of Tumbucan Island, October 16, 1906. World at Voalambing, Jawi Jawi Island, January 6, 1906. Eleven Hørigale Brids flow post my quarters at Lambounga, on the mosth shore of Basilan Straits, which connectaring the Sulu and Coelebes seas, on March 7, 1906; all write flying towards to Ceelebrs Dea I had not previously seen quite so many logether north Cue seen off Basilan, in Basilan Deraits, March 3, 1906. Off south and east coasts of Dulu Island, March 14-2, 1906. Between Lambounga and Jolo, on the Dulu Dea, Jeging northward, March 8, 1906. Many seen on the Celebra Dea off south Mudanas, between Bamboanga and Margosalubig, March 13, 1906; between Malabang and Parang Parang, of Parang Parang, March 14, 1906. Many seen, August 16, 1906, at the entrance to Dumanquilas Bay, southern Mindanao. Off Panghang, Dumangiulas Bay, southern Mundanao, ang. Alural off Cenzo Island, Dulu Dea, Deplember 10, 1906.

8 2 (Sheet I.) 127. Pelicanus mufercons & Smelin. Pelecanus Whilipporcuses Anclin. - Sportled - Willed Polician. Of was informed that this openies loved and was not infrequently observed mean County Freggiugen. I paw none on Luke Lanas; Mendanas Laring the years Lake Liginasan, Mindanao. - Marg 17, 1904: Strang-andwhite Policians are said to be numerous on the lake. I have not seen them yet." On outering a larger open space in the lake, we found two very tame Pelicans. When aur lettle steamboat turned and steamed straight towards the pair, the Pelecans swam away and soon arose from the water, separately, and flew away, appearing as gray birds with white tails when flying from us. May 18: From Pelicans seen. On the water Hiere brids are quite majestic creatures. They are not very shy birds, and I had no difficulty in being paddled within shotgun range in a Moro vinta; but, although I shot twice at them, did not kill on. May 19: The Selicans have been shot at a good

deal and have become more shy. Home have been

(Sheet II) 19 Velecanus philippensis Vimelin. Fad. are pale browish yellow brecowing flesh colon in a broad circle mistored the bye Bel with maxilla flesh color, faintly fedged with each t reddish brown laterally and loss unally mail Elet on basal half mottled with purplish our subterminal facith, becoming yellow at tip. Bare RKin at base of bill and foud puplish arteriorly) mottled with blackish especially on lowest part and below base of bell licans ; bluish and silvery white elevations from chains of longitudual shots. Legs and Jut plundbrows; claws alwaceous hom color Weight 94 hounds avoir dupois. width, near base, 28; length of termial nail, 277; longest occipital feather 82; lught 1850; with 540; tall 200; alu expanse 2/30; taisus, 85; midi loe gel. 117; halluy with cl., 55. claws: 1sh (hallux), 17; 15; 17; 15 (outer). auteroposteries transter of taries, 27. Slomach Suply Contained an egg mesuring 32 mm. in diameter. 20 kailfeathers. unc 

( Sheet III.) Peleeanus sufescens Limelin. Shotted-billed Polican. privil minght. I do not think that more than ten were on Lake Legiasan during my visit (Way 17 to 19) During the Sollowing writer, 1st Firstenant Gerrit Van S. Luackenbush, 23rd Infantry, U.S. Cerury, wrote me from Cabaxalon Island, in the Rio Grande, at the outlet of Lake Liginasan, that Pelicans had been quite commence to the trick it is the winder of the stranger about thought 15,1904. Lutte Buluan, Mindanao, May 22, 1904. - "Pair Selicans swimming a little way from shore." Several pairs were seen, later in the day, and it was noted that they avoided the sentral front of the Latte Liginasan, May 27 and 28, 1904 - (Jelisson, Q1.00 Kon ( In officer who was stateoned it Completing, Jangasinan, Luzon, for 14 months, informed me that pelicans are not uncommen in langa sinan and said that two large downy young ones had log an brought to levin at Comp Dragg. Doctor Jacob In. Coffin, It. D. army, som two pairs of policians on the Rio Grande de Ulmalanas, at (liquit, Deptember 22, 1905.

83

(Sheet 7.)

Petrels
On July 24, 1903, that during out from Hum.
Going towards Manila, second Petrels, up. 2001.
One was seen on the following day.

(Sheet 1.) (Albahous notes. (PAort, Moderal it all J.a. T. Former Cochtani gave me the following: From the British ship " " " ad Jone" sailing of 100 mm England to Sydney, Australia, in 1882, a soldier fell overboard. (I big albatross severful down, and The Railor caught it and held on wall rescued, when Mu Clibatross was found to be dead.

Sin

(Sheet 1.)

129. Cereus spilonolus Kaup. Visiontal Vilonsh-Harrier. Noted from Malungan to the mouth of the Tarnea River, Opic 5, 1904 Abundant at Cantar and Marahui me deg & Salt !! Two Harriers were nicled on the Rio & France, liter = danao, October 19, 1903, Hassan's lo Mpa's residence, November 14. Que was ahot for the collection (No. 1315 19 ad.), at John November noted on the Cabasaran River, southern Mindana, i Several seen on the island of Dulu, Hebruary 21, 1904 between Datto Upa's residence and his market at Bual. Constani F. R. Me Coy, W. J. Cisury would this Harrier in the alip Whin Valley, southern Hin= : dana, about the and of May, 1904. Woled at Gottubato, Prio Drande Valley, southern Mendanao, Harjoh 3 + 5, 1900 " "Kudarangan, " " " " " " ". Total from Malabang to County Vicare (0-3000 Just, Mindamo, March 3, 1704 From Camb Vicare to Socie, on L. Lando, second were noted Ofice 2.

and from Some to Roganan, in the Jaracul siley, april 3,190% of This and Co.

(Sheet II .) 1.24. Girow Spilonotus Kaup. Oriental Marsh-Harrier. Whil 10, 1904. - Samirto Camp Vreas , Mindanao: "Harings. Fray, and gray-and-black" were noted. Two pale gray Harriers were seen on Lave Tiguasan , Mindanao, May 17, 1904 September 15, 1905, Daw one near my Malate, A outer of Manila, Luzon. A number were seen, in descending the Rio Drande from Lignas an to the reversionthe, Many 27 and 28, 1904. Larung to Lingras, House World Province Lagon, Jan. 16, 190%. Linging to Padran, Flores Unde Promes, Luzen, Jahmany 17, 1907. Sevind belinger Lang and Anghartinin, do #16. 15, 1904. a gray harrier was ofthe soon went May particle, Hore & Horle, Leagon, Fichr. 15 to March 4, 1967. Specimen No. 14300, was brought me, in Chaquest 1906, at Bamboanga, Mindanar, by Captani George J. Langhorne, USA.

(Sheet 111.) Circus melanoloueo2 (Pennant). Circus inclanoleneus (Morater); in consent use is nerong, See allen, Buch. Com. Illus. Met. Hist., XXIV, 1908, fruy. Haleo melanoleners & Pennant, Indian Goology, 1769, p. Livo noted on the plope of Mount Mayon, at the altitude of 2500 feet, Legasfi side, Colbay Province, Luzon, March 28, 1907. Base of Mount Mayon, Tobaco side, Colbart Fromice, Jugan, Gracy and Opin Thu, interior of Basilan Island, February 15, 19. 6 Lipu Tipu to the Junaho bang Nier, Barilan, Het. 16, 111-Between the Juno bobang River and County No. 4, south Basilan, Fibruary 16,19 to Oduli Buli River to Camp No. 3, south Basilar, February 11,191. Wulu Island, from Jolo to Mainebun, Bud Dijo, Coraler Lake, and Viet Lake, March land 2, 1906. (A Tagulaya, on Me west shore of the Duel of Davas, June; 14,1904, I noted: "The Black and young Harrier is here in abundance whom the cogonals; but I saw none to -day." Dorrnor Solton told me Mat Un. John Waterstradt had seen them, and been very anxious to seeure a specimen"

(Short 1.) 130. Circus geruginosus (Finnacus). Mountainst at Parties and Marchan in Sung Site. Two Harriers were noted on the Rio Grande, Mindanao, Cetober 19,1903. Dovernor Bollon reported this openies from the cogonale bordering the Gulf of Daver, Midanus. When coreling Lake Lands on the month during the first regard of November, 1903, this braile feet Harrier was a bundant. Deveral gray Harriers were seen on the island of Dulu, November 12-2.6, 1903. A speemen was shot for the collection, by General Wood, at Jolo, Dute, Nov. 26. I think I saw both spilonolus and melanolences. Seen as Jolo, Dulu, November 21-26, 1903.
Noted on the Cabasaran River, southern Mindanas, a black-and-white Harrier was noted at Gligan, northern Mindanao, February 15, 1904. "Black-and-white Harriers" were noted on the island of Dulu, P. J., February 21, 1904, behoven & alto Office's residence and his market at Bual.

(ShectII.) 130, Coircus melanolemens (Forster), Millianolemens (Forster), Millianolemens (Forster), Millianolemens (Forster), C. D. C. Moleci The presence of this Harrier on the Dava or ofe of the mountain divide bestieren Lake Bulum and the Sulf of Davaco. Wheel at Cottabato, Rio Grande Valley, Mindunas, March 3-5; 1901, Moted sin Ale Taraca Valley, Lake Lamo Basin, april 3 to 9, 15; and between Samin, on Lake Lando and Can placare, april 10, 1901. Done were seen in descending from Lake Lignasan to the month of the Rio Grande, May 28 and 29, 1904. One seen at Mercedes, 9 m. E. of Jamboanga, March 28,1906 (I commen species at Puntar, Mindanar (allitude 1800 det) during (luguest and Deflouter, 1903. Of in the bornered owerfund cogenal country extending from the Deranaya March to the upper Libergan King, least of Ceotabato, southern Midanao, many of these brankful Harriers ware seen, March 12 and 12, 1904 Prings to Barak, Rio & hande Vulley, Mindanas, March 7-11,1904 6 mup Hotoenburg, Su you, A dorsuler 28, 1905. Pozorouleso, Pangasinan Province, Luzon, Nov. 30, 1905. Frinidad, Benguet Province, Longer Dec. 3, 1905. Bud River Compose to Baglion, Jugan, Dec. 3,

21 Cineus opposing (Simonacus)

131. (Gerous aeniginosus (Finnacus).

January 20 and 22, 1907, Plocas North Province, Lugar A Hawk perhaps of Mais of cours (No. 133:2), Kelled on the is land of Cagayan Sulu, P. D., Hit. 16, 1904. Quanto locker None were occur on the paland. Some were a few of two Species?

There between Languard Mag partiair, Heccollor, Luzon, Hit. 15, 1904.

Shaylay, R. Zal Grovince, Lazon, Se felomber 21, 1906.

132. astin solvensis (Latham). Horsefield's Bhort-toed Loshawk.

These very moisy brioks were seen several times, near Camp Paritar, Mindanco mi 1903.

The Robb's specimen come from the mountains back of Ban bonne

Oue deen in Hort Sanliago, Manila, Novimber 2,1905 Levo at Comp John Hay, Benguet, Luzon December 28, 1906

"Moto. It was (estur perloquois Ahat (had a mest) lived

mear Partar (alleterde 1800 (cet), sir August, 1903.
Manuk Manka Island, January 6, 1906.

Kah-peep-mai-yah, Bagobos of Mount apo, Mindanas. Hecipiter manieteners them. Luzon, during the first week of March, 190%. Noted at Pantac, in august and September 1900 A Djarrow Hawk was occasionally seen on the morth side of Jake Jainso, from Count Viens to the Komayn Oriver, during the Linet went of November, 1903. Seen on Wet. Sulieman, island of Sulu, November 20, 1903. Hoted at Buldung, miles northeast of Parang, Windows Baguro, Bynguet Province, Luzon, December # 1905. One seen man Sife Sife, in the interior of Busilian Island, October 1, 1903. Mebruary 3, 1906 One seem, in Dulu Island, mean Jolo, Oct. 11, 1901.
Hornok Hanka Voland, January 6, 1906 (opposite) Missofiers).

Accipiter Jularis (Temminek and Schlegel).

Clag Rwir, Mindow, Nov. 7, 1906. Standing in the Sorist gloom, one of these hawks skinmed silently to a perch near enough for me to shoot it.

(Shert 1.) 148. Pathecophaga jedsergi: Frant. Uton 1604-eating Eorge. Monthey-valing Horest-Eagle. Contract Lungeon gov. Hierz, W.D. Conny suformed me that an immense toagle that wore its head feathers from p ", mas brought wounded to Camp Paritar (allitude Boo feed) mear Lake Lanao, early in the year 1903. The brid died, and was not preserved. Dr. Heeks was familian with the Sca Eagle which is me = - medous, in that region. (I pair of Monthey-ealing Eagles was seen at Bula, on Darangani Bay, southern Mudanco, Octobre 26, 1903. These There fine Engles were not particularly wild and occasionally alighted on dead tree-tops; but we had no large a hot and oftherwise; unfore pared to deal with qual large game. Mount also at 6000 ft, met Thely, 1904 Spiennen sent by The Histoliche L. Kerier & some Divao, Mindanao.

Camp Overton, Mindanae, P.J.

August 15, 1907.

Major Edgar A. Mearns;

Medical Department,

Benguet, Luzon, P.I.

Sir: -

Ordnance Sergt. Horace W. Bivins, at this post has two Specimens of "The Monkey Eating Eagle". One dead, has been mounted; The other is alive and is a fine specimen.

I understand that this bird is rare, and commands a high price. He desires to dispose of both, and I thought that possibly due to the great interest you take in these matters you can give some advice as to whom he should apply relative to sale.

Trusting that I am not presuming too much upon your kindness.

I am yours truly,

1st Liout. 4th Cavalry.

L. W. Prum

Frunty

Pithecophaga je Heryi Erant. (Sheit II.) 121 David of Trippedanao, January 22, 1906, I nade the following note: made the following note: Mr. Kelber's Monkey-caling Forest-Eagle was shot by an American soldier at the end of the village street, in Davao. Med acen a letter from Baron Rothschild offering Dr. Good fellow \$700.00, gold, for a 8 Dr. H. Newton Kierulff, Contract Dungeon, Usarmy, showed me, august 16, 1906, the skin of one of these Just had bern Killed at Margosalubig, sometime previously; and First Kigulenant Benjamin Stark, Phelippine Seouls, informed me that his nature soldiers had brought in the head of another individual of the Dance operics, at Margosalibig, southern Mindanao. In the ninserin of Danto Jonas Coollege Manila on January 9, 1907, Som two mounted of ecineus of Tithecophaga jefteryi Grant. "In Damar called Buog: " One of circum was labelled "Damar," the other" (ougayan, Luzon." Horace W. Bivins, Outnance Dergount, 11 Darray, wrote me under date of July 3, 1406, that he had in captevity a living individual, laken mear Camp Overston, north: = ern Mindanao

(Sheet I.) Chanceate Karok-Engle. 137. Spizaetus linnäetus (Horsfield). april 21, 1904. One was seen at Surigao, norMicos Mindanao, P. J. Deveral were seen in the agusan River between Compostella and Buluan, Mindanao, P.D., Oth Surigao, northeastern Mindanao, april 21, 1904, I shot a small bird on the edge of the town. The report alarmed a stupid Hawk- Eagle What flew from a tall bush only a few feet away from me. It flight was very labored and slow Delwern Salroeino and Variechla, on Muliquesan River, Mindanao, May 7, 1904.

(Short II) Et prezaction (in airine (ifor ield). 146 Baga magnirostris Gray. Noted at Kudarangan, on the Rio Grande, Mindanao, as the "squalling Howk." Deval were our on the agusan River, Mindanas, from Jake Linua to Salacogon, May 9, 1954 Ou was seen, april 20, 1904, at Durigae, Mindanao. If flow from a small tree er leofy bush in a marsh at the edge of lown.

92 (Sheef 1.)

139. Afrigatus Spilornis holospilus (Vigors). Philippaine Delice - Cayle. No. 13131. 2 Tilornis holospilus (Vigors)? Fad. Kamping, Barula's place, Dulu Island, P.D., November 17, 1903. This thank pat stupidly on the low branch of a tree in an often a sparcely-wooded cogonal, on Sulu Toland. Ho feathers were raised so that my companions supposed it to be an Ceve. It was percely aggressive when wounded. Deveral others were seen on the Island, one on Mt. Sulcewar, Nov. 20. (Others were noted between Jaglibi and Jolo, November 21, and around Jolo, Pulu, November 21-26, 1903. Mr. Nobb's afecimen came from - Zamborango file Robb, March 7, 1905 It was seen between Sain, on Lake Lanao, and Camp Unear, april Noted at Davao, southern Mindanao, July 15 to 20, 1904. Deveral were moled as a con on Lake Mainit and the Subay Triver, northern Mindanao, april 22-24,1904. Noted at Comportela, on the upper Agusan River, in the interior of Mundanar, Though, 1904 Its note sounds like an exaggerated Wood Pecuvere's. Deveral" were noted, on the agusan River from Lake Linao to Jalacogon, Mindanae, May 9, 1900 One man Suzovrubro, Sangasinan Province, Luzon, Der 14,14

Officionis holospilus (Vigors).
(14 Padsim Florosti Province Luzon Dannaug?? 1907, our flow part, serer wing Loudles. Vintar Lake, Hoees Horle Province, Lizory January 24, ?? Several were seen about Magharlini, Hoers livite Po o vince, Luzon, February 15 to March 9, 1907; one what Feb, 17th, another lation. Sometimes seen in the shadow of the douse forest Obsauce me in the price woods before Hace, attoring the osts, northern Isong wit, file; ic, 1707 its thinglet has killed one at his place in the on! (Pagorruber, Pangasina Province, Rugar, Juculte 23, 1906. Olive Spamards who came in from whooling, at Jabaco, Colbay Province Jugan, Mayer 29, 1907, had one. (in the trail from Biguio, Bouguet to Comp Walloce, La Mison, Luzon, a roldier fined levice at one on a tree between our want on the Nag= -illian River and the town of Nagillian, Harel 20,1907 One noted at Casiguran, cast coast of Luzon, June 1. 1907 Pili Hoot Springs, near Dibi, southeastern Luzon, fun Luzon, June 4 and 5, 19 Leveral Wood abot a Semale on the Naujan River, near Lake Naujan, Mindoro, March 25, 1904.

Sfilornis Tuolospilus (Vigors). a moisy pair was constantly flying about and alighting in a forest of Easuarina Camp ho. 3, on a ridge at 2250 feet alletede, Mindoro, november 8-12, 1906. Several were seen between Tipe Tipe and Ceamp No. 8, in the interior of Basilan Island, February 3, 1906. Camp No. 8 to La Mitan, north Basilan, February 4, 1906. Tipu Tipur, interior of Basilan Island, February 15, 1906. Camp No. 3, mear Lipu Tipu, to Camp No. 4, south Basilan, February 16, 1906. Comp No. 7 to Camp No. 8, interior of west Basilan, Feb. 20,1906; specimien No. 13964, Lad., Collected. Camp No. 8 to Campi No. 9 (Musser's), north Baselan, Feb. 21, 1906. at Burengo, on the Calubig River, north & amar, Oct. 1, 1906, one was soaring over the treetops crying loudly. Iwounded one on Bucas Voland off northwest Mindanao, October 4, 1906. It was very dark in color. at Manay, east Mindanao, October 6, 1906, V was attracted to one of these birds that perched upon a tall tree in the forest, by its note, a whining whistle that reminded me of the note of Penelopedies. I shot the brid (No. 14387, fad.). Jurial, on Dulu Voland, March 1 and 2, 1906.

93 (Sheet I) 141. Butastur indious (Fruction). stillippine lite-ord Biggard-light. One seen at Pantar, Mundanao Dome were seen on wagon-road from Malabana, to Camp Vicars, Mindanao, November \$ 1, 1903. This Hawk was seen on the island of Sulu, P. J, No= = veruber 14, 1903, between Hassan's and Upa's residen-- ces. Deen on the Cabasaran River, southern Mindanao, January 30, 1904. On the island of Congayan Stely in the Sulu Dea, February 25 and 26, 1904, many of these Hawks were seen soaring overhead, or perched on the rocks or everant trees. When in the shadow of the peculiar cry could be distinguished of among the sounds of the woods (Specimen 710.13386) Pioled at Kudarangan, on the Rio Grounds, Mundunus, March 6, 1904 That story the road from Madulony to Count brans (0 to 3000 get), Much 31, 1414 ( Ppril 10, 1904 . - Sauir on Lake Lanco to Camp Vrears, Ulindanas: "Soaring above the cogon meadows were the usual number of Brahming Kites and Harriers. " Noted between Camp Vicas Mindanao, Adjetember 28, 1903, when one was seen setting beside a nest on the margin of the lake.

(Sheet II.) 141. Butastur indiens ( Indin). Philippine White-eyed I Duzzard- Eagle. O Noted at Camp Vicars (altitude about 2900 feet), Mindanas, September 28 and 29, 1908; also noted as ocen be tween Camp Vicars and Mataling Halls, Soft. 29, 1903. One noted on the Bucoco Ruin, a tributary of the Agusan River, castern Mendanor, May 4, 1904 Municrous from Dingali, on the Bacoca River, to Compostela, on the agusan River, May 5, 1904. Sateria to Sutrocino, Organo an River, Mendanao, May 7, 1904. Municious on the agusan Rier from Lake Lenao to Talaco gon, May 9,1904 Dagu fran and Bayambany, Jangasinan Province, Luzon, Locals, 1900 Lie Ala Parig Rier, Manula, January 12, 1907, wire a great quantil 3 roluning, Kites. Vintar Lake, Thees Horte Trovince, Luzon, January 24,190%. Burdett Manganes Mine, do Febr. 19, 1907. Os early as argust 3, 1907, deserrating of some Africales in-the-calls to Baquio, at the attende of your fect, I shot are immature so preiming (A 6.15475 & fin) which was accidentally distriged by fire at Buguin Juo, mar Juin Pears, Lugen, Lea wher Sis, 1406. Mr. Colmunds, se hool teacher at Saulo Dowings de Baseo, Batan Island, P. J. told us that a Hawk, affarently this ofecies, migrates to Batan in Thousands during the month of Cotto on.

(Sheet no. 111.) Butastur indicus (Dinelin). One shot mear Henry Musser's ranch west of Daabella, Basilan Island, January 28, 1906. a pair together. Camp No. 3 to Camp No. 4, Basilan Island, January 30,1906. Camp No. 6 to Camp No. 7 (near Tipo Tipo, in the interior of Basilan Voland, February 2, 1906. Between Tipo Tipo and Camp no. 8, in the interior of Basilan Island, February 3, 1906. teamf No. 8 to La Metan, north Dasilan, February 4, 1906. Isabella to Camp No. 1, interior of Basilan Id., Feb. 13, 1906 Camp No. 3 to Camp No. 4, Basilan Island, Feb. 16, 1906. Camp No. 5 to Camp No: 6, south Basilan, February 18, 1906. One on Bud Dajo Veak, Dulu Island, October 11, 1906. Cagayan Sulu Island, Sulu Dea, Colober 15, 1906. Melville, Balabak Island, October 16, 1906. Boha Bona, San Cintonio Bay, last Palawan, Cetober 17, 1906. Juli Island to Maimbun, But Dajo, Ceraler Lake, and Diet Lake, March I and 2, when several were noted

(Sheet I.) Sontoactus) 142. Haliacitus louengaster (Lindin). White-bellest Dea Eagle. White-bellied Dea-Cagle. To sted at Malabang, southern Mindanao, March 31, 1904. Capt. Switer abot me with a fish in its claws in I a couple of large, fat, downy medlings, laken from a tree on Lake Janao, Mindanao, were seen in When marching around Lake Lanao, during the first week of November, 1903, many Sea Elagles were Le cen and ove shot.
Le activant Gerrit Van S. Quackenbuch, US. army, Killed an Eagle, about 30 miles East of Zambourge. On the island of Sule, I. J., their Lea Eagle was moted as fallows: From the break and Diet Lake, and at the residence of the Panglina, Hassan, November 13; abundant along the ten miles of brack from Taglibi to Jolo, November 21, 1903; seen daily flying over the walled cety of Jolo and our adjacent camp, November 21-26, 1903. A tame one was Kept in the edy. noted on the island of Dungdung, of Julu Island, P. J., November 25, 1903 One on Duluan Island, off southern Mindanao, Feb. 1, 1900:

Manaol (Micros of Wiassi) 14-4 142. Haliacetus lencogaster (Thuelin). Noted on the island of Banga (= Port Banga), off oouthern Mindanao, February 1, 1904. Leveral were pooring over the wharf and town at Jolo, Dulu, February 4, 1904. One pursued a Kite and took a fish from it. Noted at Camp Overton, northern Whidanao, Feb. 15, 1904. a number were noted along the shore of Seeler Island, J. J., February 20, 1904. Three were noted on West Bolod Island, in the Selve Sea, beliveen Jalo and Zamboanga, P. S., February 21, 1904. On the island of Cogayan Sulu, in the Sulu Dea, Fibruary 25, 1904, I moted: "Sea Eagles and Falcous continually seared over the highest cliffs, around which darted hundred & of pale-, throated Swifts! "Several were noted soaring over the Moro settlement during the day On Filternary 26, swerd were flying over a mountain where I shot one at the top which fell wounded at the foot of a cliff where I could not find it. In a list of the bushes of Siassi, P. J., by Captain J. L. Smith, 17th Infantry, Usarmy, are meritioned " Eagle (Miree Krieds, The largest (moro) doubtless referring to This species.

Portoaitus (4) (Shoct III.) 142. Haticiotus (encogaster (I fruelin). On March 2, 1904, I saw one at Malabang, two at Pollok naval Vation, and several on the Lowest part of the Miox trande, southern Mindanas. Hotelat Cottabato, Nio Dande Valley, Mondanao, Warch 3, 1904. " between Kudarangan and Barak, " " " 7, " Notest at Camp Vicara, altitude 3000 feet, Ulindanso, april 1, 1904. The soldiers of Viears had recently brought in a couple of large young birds in down. Moted on Lake Lanco, from Camp Vreas to Sour, april 2, 1904 " " at Souir, and in the Jaraca Valley, apr. 3, 1904. " at Hanbella, Island of Basilan, January 19, 1904. (I pair was seen about the fish-ponds at Malabon, Manila, August 6, 1905. Sorral, adults and young, were kept in the Boological Vandeux, Manila during 1904 and 1905. Contract Sengeon Hicks and Capt. Firancis P. Diviter, 28 Infly , saw How on Lake Lanno, Illindouse September 27, 1903; and I saw several pairs of them when crossing Lake Lanao, on the following day. Noted on Lake Liguasan, Mindanato, May 17 to 19, 1904. on the Buluan River, connecting lakes Buluan and Liquasan, May 20, 1904; also noted at Buluan, near Laste Buluan, May 21, 1904 An adult with pure white head, tail, and belly was seen between Buluan and Laste Buluan, Way 22

(Pontoaetus lencor aster (Timelin). noted at Surigao, northeastern Mindanao, april 21,1904 Mr Lubbay River, above the town of Leibay; one" was noted; later, "another pair" Several deen, November 5, 1905, at Cavité Marila Boy Leigon. P. J. January to March, inclusive, 1906. An February, 1906, a fine adult was brought to the zoo. at Zamboanga, from the Island of Basilan. Seen on Cabo and Faturia volands, Igat Bay (off (). Mindanao), J. D., Opril 2, 1906. Some were continually Alyning around a bat roost on Cabo Island. Clyola, Mindanas, S. J., april 24, 1906. Aboutedant on Lake Lance, Minderno (attitude 2000 feet), (duquet and Deft, 1903. Que what by Capt imin 9. Siviter, 28th Infantry, US a., on Lake Lagras. Pinnas to Barak, Rio Chande Valley, Mindanao, March 7-11, 1904. Woled on the Rio Doande balow Colabato, Min = = danuo, Maich 14, 1904. Cloundant at Lake Mainit and along the whole course of the Tubay River, northern Mindanao, Offil 22-24, 1904.

Pontoaelus Ceneogaster (Gruelin) Woled May 4, 1904, at Vingali, on the lower Backea River, a tributary of the Egusan, in the interior of themound. Moled at Compostela, on the upper agusan Rever, in the interior of Mindanas, May 5, 1914 One moted on the legusantiver, litindanco, mear the month of the Liberton River, May 6, 1900 "(l'écommon bird ou le days trip"; Jake Leuno to Valacogon on the Agusan River, Ittindanar, May 9, 1904 Golo, Dulu Island, January 4,19. On three small, wooded islands, off the southend of Libretu Island, January 5. 190: Captain Deorge J. Langhorne brought aboard the U.S.a.y. Dabah" two specimens, shot from a Moro vinta of the Island of Setanki, January 5, 1906.
The perew of the Sabah used the quells for pers, etc., as I had no time for kinning and long. One seen flying werous the San Odernardino-Straits of D.E. Luzon, March 27, 1907. Two seen at Legaspi, Luzon, Harch 27, 1907. Great the River, Lucina, southern Luzon, March 30,1907. Apari, northern Luzon, May 24, 1407 Casiguran, east coast of Luzon, June 1, 190% Fibi, southeastern Eugen, June 3, 1907.

Pontoactus leneogaster (Gheet VI.) Several seen at Danto Doningo de Basco Batan Island, May 2 Fand 28, 1907. Mr., Edmunds, schoolteacher, informed us that several pairs nest on a low mountain redge to the right of the town Several were seen on Finga Island, P. D., May 29 and 30, 1907. Mr. Willeam Donn Carpenter shot at one, Darangani Island, off southern Mindanao, Colober 8, 1906. Balut Asland, Darangani group, Jan, 23 and Oct. 8, 1966 Mouth of river between Ramps No. 3 and Wo.4, January 30, 1900, in northwestern Baciline. La Mitan Kwir, north Basilan, February 4, 1700. Malamani Doland, off Basilan Poland, Hybruary 13, 1906. Vaabella, Basilan Island, February 13, 1906. Nower Coalubig River, north Samor, October 1, 1906. a wiragan Island, off north Samar, Colober 2,1906 Two at Lanang, East Doamar, Detober 3, 1906. Catell and lower Catell River, east Mindanao, October 5, 1906. Jolo, Dulu Island, October 11, 1906 (Bunindao Island, off Ditanki Island, October 13, 1906. Some were seen on entering the harbor of Sandakan, Bornes, October 14,1986. Cagayan Dulu Island, Dulu Dea, October 15, 1906.

Muhn-ah-ool, ailipinas of Jambourga, file Estrelia. Surral pour on Corregiolor Voland, of A Manila Johny, December 16, 1906. (Cue puched on a tree. Bongao Vsland to Nawi Jawi Island, January 6, 1906. Manux Manka Island, January 6, 1906. Dibutu town, on the wast boast of Shbutu Island, Jan. 7,1406. Calden, Javi Jami Voland, January 8, 1906. Dimalue Island, off Sawi Sawi Island, January 8, 1906. Off M.E. Tawi Taur, January 8, 1906. Dialu, Siasi Island, January 9, 1906. East Bolod Voland, Sula Dea, January 10, 1906. West Bold Island, Que Dea, Mannay 10, 1906. Golo, Dulin Island, January 9, 1986. UBaluk Baluk Saland, Manuary 10,1906. Mainbun, Molo, and Sict Pake, Sulu Island, March 1 and 2, 1906. , [ pite of Duray 10 Campy, Jan. 30, 31, 1906], west coast of Basilan, March 3,1906. Margos alibig, southorn Mindanas, August 16, 1906. Cabo Island, Sgat Boy, off routh Mindanas, (ifil 2, 1906. Hatina Island, Dumain mia Boy, off D. Hindanas, (ifil 2, 1906. Dun Kamon, and Olyala, western Mindanar, Cingust 27, 1906. Camp Connell, eist coast of Damar Island, Sofilember 5, 1906. Maiampaya Vound, tot Palawan, Sofilember 12, 1906.

(Sheet VIII) Halstend (mis ! - will and & Strait, Coalamianes Ids., Deptember 13, 1906. Leptember 13, 1906.
Saliend Island, Sulf of Davao, Mendanao, July 17, 1904.

2 moted off Phoilo, Panay Island, January 23, 1906.

(Sheet I.) 143. Haliostur intermedius Hurney. Brahming Rite. Abundant at Pautar and Musakini in Luy, & Litt, 1903, Hound on the island of Cogoyan Dulu, in the Sulu Dea, Filbinary 25 and 26, 1904. Noted at Zamboanga, Mindanao, Celober 10-16, 1903. Wiemerjour at Camp Vicars (3000 ft.), april 1, 1904. " 18, " 18, " 1904. Very common from the mouth of the Reof France, Mindanoo, rep to Lake Liguaran, Ce lober 18,19,1903. One was seen flying with a snake in its claws. noted at Davao, southern Mindanao, Ortober 24, 1903. noted at Bula, on Sarangani Bay, S. Ulmdanas, Oct 26, 1903 Unmerous at Xlan, southern Windanav, where, October 26, 1903, one came to the ship Borneo; and carried away in its claws the body of a bird that I had askinned and Merown over board. Its male chased it and tried to take the brief west away, but failed, whereupon the lucky one carried its prey to a neighboring trum the above and fearled. There Kites exten lat their prey while noing, reaching their feet forward and bending the neck under so as to reach and tear the front food.

. Sam-bu-laan (moror of Buluan, S. Mindanao). 143. Haliasius inin medine & furney to the West pide of Latte Lanco, Mundanas, Noveruber 2, 1953. Aline Kite for our white and campa poling as a reasign 3,1903, a flock of 8 poured whiteen with me On the island of Duly, P. J., November 12 75:6, this common Kitches occu then in the of was noted at the brack on landing; at Biet Fix; at Panglina Hassan's residence; Thence to Upa's residence; W.t. Sinlieman and therence to the week at Togache, is a ... Hundreds were seen along ten miles of brack belwire Taglibi and Jalo, aNovember: 1, 1903. (I sundant as much Jolo, Dulu, November 21-26, 1903. Some were accommending Island, off Julu, November: 5,19 " " Gata Noted at Bung Bung, southern Mindanao, January 30, 1904. noted on the Cabasaran River, " " at Buluan, Residence of Datto Salis Hasin, six miles up the Cobasaran River, and two miles from the river, Jasing On the island of Bulnan, off southern Win = = danao, February 1, 1904, I shot one of the Kitco that seet beside a nest, forty feet from the ground, in a tree. Several athers were there.

143. Healiastur intermedius Gurney. Leen on the island of Banga (Post Banga) off southern Unidanao, Fiebruary 1, 1904 Mound at Fambegan, Tambegan Bay southern Mudanas, February 1 and 2, 1904. Molo, Dulu, February 4, 1904. Hery abundant almost in floorer. (Cine of the Kites got a fish, and was pursued by stamate an a Sea Cagle. The Kite's moternate came to its assistance, but, in the scuffle that ensued the fish was dropped, and the Sea Eagle jueked it up from the water. Abundant of Siassay, island of Siassay, P. J., February 4, 1904 noted at Lubungan, northern Mindanas, Feb. 14, 1904 " . Camp Overton, " " feb. 15,1904. (Ibundant (one shot) at the Subano villages of Sin = - dangan (on Dindangan Bay, northern Mindanao, Jubruary 16, 1904 Floled at Dania Maria, morthern Mendanao, February 17, 1904 Municious along the shores of Sulu Island, P. J., on Gibruary 20, 1904, associated with the Sea Coagle. Hound on West Bolod Island, in the Sula Sea, between Ado and Zamboanga, Frebruary 21, 1904. Reported from the island of Siassi, P.D., by Captain J. L. Smith, 17th Infailing, Usaruy, in

143. Haliastur intermeduis The next iv.)
On an overland, march from Later 12 uluan
to Dava o, Windanao, Confitain fr. R. Me Coy, 3 Cavalry, 1, D. C., noted this species, in the CilipRiver Valley and on the Davar side of the mountain divide. On March 2, 1904, I saw Mars species at Mal= = abang, Pollok Maval Station, and on the lowert hart of the Plio France, southern Unidance. Hoted at Collabrato, Rio X france Valley, routern Eleudanco, Wards 3, 1904 " " Kudarangan, " " " (6, ". " (6, ". " )" (7, ". " )" (7, ". " )" (7, ". " )" (1, ", " )" Deen daily Alying over the city of Monda, august 17th 21, 1904, sometimes mi small combanies. Aboundant along the wagon-road from Malabang to Camplines ( 0 to 3000 feet altitude), Hinch 31, 1904. Young and pusty-breastest individuals were surrous mear Wataling Falls. Four to Rogayan (Taraca Valley), Mendanco, Chril 3, 41904 april 5, 1904 - This morning and last might, Brahming Kites assembled in dozens, attracted by the smoke arising from burning house," forts. "Later: "Rites in flores attracted by the small of burning , Later: "Kites atter a whining cry from the cocoanut-tops. Sozens of them Jollow the troops." abundant in the Taraca Valley, Lake James Basin, April 3 to 9, 1964. Very abundant in the Taraca Valley, from Somer to Dalauan and Huahulama and returning, april 2 to 10, 1904.

(Sheet V.) 143. Haliastur intermedius Gurney. Brahming Kita. abundant along the wagon-road from Court Viens to Waldburg, afril. This Kite was frequently occu flying own Manila and the Day, in August and Deplember, 1904, and July to 1905. a number of them were Kept, during these times, in the City Loblogical Landens. Observed at Marahui, Meridanao, September 27, 1903. Munerous at Camp Vicara (allitude about 2900 feet), Deptember 28 and 29, 1903; also from Comp Vreaux to Malabang, Sept. 29, 1903. Noted at Buldung Mindanao, October 1+2, 1903. at Dean, southern Mindanao, October 26, 1903, these brautiful Kites came around the ship Bornes, and carried away the bodies of birds that Merow overboard as fait as I skinned them. On Lake Liquas an, Mendanao, May 17, 1904, Brahaming Kites were numerous, and often ocen to descend almost vertically to the lake often their prey. Moted on the Baluar River, connecting lakes Buluar and Liginasan, Mindanao, May 20, 1904- On May 22, a Kite and Oriental Purple Haron were perched in neighborly fashion upon the same tree; also noted on the Malala River and at Simpitan, May 23 to 26, 1900

Sheet VI.) Haliastur intermeduis Gurney. Brahming Kin. Noted as common, when descending the Buluan River, 10 Buluan to Lake Leguasan, May 27, 1904. Noted at Surigas, northeastern Mendanas, Opril 20, 1904. Moled at Dinagat, on the Island of Dinagat, Opril 21, 1914 " " Davao, southern Mendanao, July 15 to 20, 1904 " " gamboanga, western ", august 1, 1904 " on the Lubay Niver, n. Mindanao, April 22 and 23, 1904 Cloudant at Cavite noval Station, Manila Boy, Verson, October and November, 1905. The battle of Bud Dajo, on the Island Aprilie, new Jolo, lasted from March 5 to 8,1906. about 600 Moro natures were Killed, on the top of MA. Dajo, the bodies bring but slightly Coursed with earth. On March 26, following, an enormous floor of Brahming Kites was visible over the peak from far out at sea. Margosatubia, D. Wundanso, april 2, 1906 Cabo-Island, Igat Bay, of D. Mindanao, Afril 2, 1906. Hatema Island. do do Malanipa Id., of D. Mindanao, april 1, 1906. Olyala, Mindanao, P.J. april 24, 1906.

(Sheet VII.) 145. Haliastur intermedins & Lurney. Abundant chout Paritar and Lake Timas, Illinde, during august and Deptember, 1903. Janbourga, July 24, lo Cong. 1, 1904. Deranaya Marsh to Labas, sait of Colabato, southern Mindanao, March 12 and 13, 1904. Noted at Baguiro, Benguet, Dec. 1 and 2, 1905. Prange to Barak, Rio I Trande Valley Mudanas March 7-11, 19011. Deranaya Hort. Mille 16 1-15 Aboard the steamship Ranger on the Rio Grande at the mouth of the oslero which drains the Scranaya Warsh, March 14, 1904, Insted: "came to plip's side and pressed up heads and vicera of shielens hower with Late Milamit, northern Mindanas, april 24,1904. abundant on Mr. Jubay Rwer, N. Mindanao, april 22-24,1954. (Abundant on the lowert portion of the Bacoca Priva and on the agus an River at Compostela Many 4-5, 4. Compostella la Pelar, Agus an River Mudanas, May 5, 1900 Pelarto Jateva, Ognean Viver, Mundanas, May 6, 1904 May 9, 1904. Butuan to the mouth of the Cousan River, Mindanao, May 11, 12.

Wheet viii! Haliustur intermedius Gurney. Ufinianez, northern Mindanao, May 13, 1904 Baliangao, on Murcialagos Bay, N. Mundanao, May 13, 1904 Dapitan, northern Mindanao, May 13,1904 Marila, P. D., august. 17, to Deplomber 15, 1904 Outen latter date Insted: "Over manile. Boy are flocke of Brahming Ketes." Manila, July 26. 29 and 31 to Chig. 4, 1905 Several Brahming Kiles were noted from a train on the Marila and Dagupan Railroad, from Munita to Camp Tregg and returning, July 29 and 30, 1904. Our was sitting in shallow water in a rice paddy lating some fish carrion. Camp Drigg, Pangainan, Luzon, July 29 and 30, 1905 Weamp Hotsenberg, Luzon, November 28, 1905. Van Voidro, Nueva Cecija Province, Luzon, Nov- 27, 1905. Cozorvubro lo Vivin Peaks, Luzon, Nov. 30, 1905. Common at Bagino, Benguet Province, Luzon, Dec. 1 to 12, 1905. Daw them bulling some tame geese at Bugun One shot at Camp John Hay, Dec. 6, 1905, was very fat; and its atomach and gizzard were erammed with locust grasshoppers. Frinidad, 4500 feet alletede in Benguet Province Tuyon Island, December 3, 1905.

Haliastur intermeduis Jurney. Mount Danlo Tomas, Benguet Province, Luzon, D. e. 10,1? 5. Meade Road, Benquet Trovince, Luzon, Dec. 13, 15 5 Benquet to Manila, Luzon, Dec. 13-13. Hoilo Osland of Janay, Dicercion Camp Joseman, Island of Lluimaras, December 25- 400 Camp Overlow, Mindance December 200, 1900. Yolo, Dulu Doiand, January, 19 (Con three small wooded islands of the south end of Sibutu Valand, January 5, Balanding, on the morthwest shone of Jawi Fawi, January 6, 1901. a great many Brahming Ketes. Frame Flourringo to Jacua, Floors Norte, Luzon, January 14, 190% Laconghir Nalley, below Lacag, Luzon, January 16,1999.
Lacong to Dringraz Hoese Norte, Luzon, u 16. 11. (2+ Padzan, Llocos noile Province, Luzon January 17,1909 one attacked a her searrounded by hier checks and alther Jowls, in the plazita of a Tinguane village. The seremus of hour and phildren, raising a terrible hour, seared Lavag River Valley, Gelow Lavag, der der " 1957.

Lucag Valley below Lavag Horos Horle Province Leszon, Jan. 20-Vintar Lake, Llocos Morte Province Luzon, January 24 195:5; Hollowing a ridge, to the right of the road from -La rag to Unitar, I came lo a nest, on a tall & sali mangi, with the parent bil setting upon it; but I nove unable to claimb up the tree in order to get the eggs or yours. ( Ploundant, Lang to Maghartenin, Hocostlorte, Longon, Fiel. 15, 1927. " at Nagfarhain, des Feb. 15-War?, ". , from " to Lavag, do March 9, 1907. In July, 1907, I shot one it Haights - in the outes, where it waspearce. In. Huight informed in that the came wound his place more frequently during the time when he noft chierous, or whomever he striked a large brush fire, when the smoke altracted their from the lowlands a ugupan loction Peut à Pangacina, Le por, Vicente 23,1406. Coming where from Sevin Stalls to Comp John Hay, Luzan, Dec. 24, 1906. Seen at 1000 feet on 11/2 Clauto Jamas, Benguet, Lugar, Jan. 1, 1967. (Mound at Comp John Hay, Benguet, Dec. 24,1406 10 March, 1907 Flying about the wharves at Legasfii, Luzon, March 28,1907. MA. Myon Legasfie side, up to 2500 feet, Albay Province, Suzon, Milerch 28, 1967.

(Sheet XI.) Haliastur intermedius Furney. Jalago, About Province, Luzon, March 99, 190%. Ot Lucina, Fouthern Jugon, one was chased and buffetted by two crows (Corone philippina), Mining there Bagnio to Comp Wallace, Luzon, Man 19 min 20,1907, we found it werequehere. (1 erone chased one on wing as we node up the brack was Comp William. Treding about the grotto into which offal is dumped at Camp Wallace, La Union Province Juzon, May 20-25, 1907 Apari, northern Luzon, may 29, 1907. Pili Hot Afrings, near Sibi, Southeastern Luzon, Jun 5, Base of Mount Mayor, Jabaco side, Colbary (Province, Lie you, June 4 and 5, 1900 Abundant from Naujan, on the east coast of Mindoro Island to Take Naujan, Mindoro, March 25/1907. Calapan, Mindoro, October 31,1906. Mouth of Baco River, and Dubasa, Windows, Non-1119 Subaan to the Benibi Rever, Mindoro, Nov. 2, 1906. Benibi Pewir, Mindoro, Nov. 3 and 4, 1906. Alag River, Mindoro, Nov. 5-8,1906. Hraquent, on a ridge north of Mt. Haleon, Mendoro at 2250 feet attetude (Camp No. 3 1, Nov. 8-12, 1906 Buenfo Vista Hell, bryond the Bendbi River, Camp No. 1, December 4, 19.06, a flock was noted.

Haliastur intermedius Gurney. (Sheet XII.) Sarangani Island, off southern Mindanno, J. J., Parmary 23 and October 8, 1906 Balut Deland, Sarangani group, January 23, 1. 6 Labella, Basilan Island, January 26 and 27, 1900. Camp no. 1 to Camp no. 2, Basilan Island, January 23, 19 Camp No. 3, Basilan Valand, January 30, 1906 Camp No. 4 to Camp No. 5, northwest Basilan, January 31, 19:16 Commaiarang Orwin to Coamp No. 6, interior of Basilan Vsland, February 1, 1906. One of these birds was shot at, and dropped a marine Jish, 12 miles from the ocean, near Tipo Tipo, Basilah Island, February 3, 1901. CompNo. 8 to La Mitan, north Basilan, February 4, 1906. Malamani O'sland, off Basilan Island, Heb. 13, 1906. Isabella to Comp No. 1, niterior of Basilan Id., Feb. 13, 1991 Coamp No. 3 to Camp No. 4, Basilan Island, February 16,1706. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906 Malusa, west Basilan, February 19, 1906 Campe No. 7 to Camp No. 8, interior of west Basilan, Feb. 20, 1906 Camp No. 8 to Camp No. 9 (Mussen's), north Basilan, fieb. 21, 1900. Musser's plantation to Isabella, Basilan Id., Feb 22, 1956 Lower Calubing Mirer, north Damar, October 1, 1900. abundant, October 1, 1906, on the lower Calubing Kier, north Damar, where Tur. Horace Fileber brought one down 20 that it fell on the deak of our launch.

(Sheet XIII.) Haliastur intermedius Turney. Many seen at Borongan, east Jamas, Cet. 3, 1906. Many, at Lanang, east Damar, October 3, 1906. Bucas O sland, off northerast Mindanav, October 4, 1906 Lower Catel Priver, East Mindanao, October 5,1906. Caraga, east Mindanao, October 6, 1906. Manay, last Mindanao, October 6, 1906. Hanywere seen in the harbor of Jolo, Dulu Island, October 11, 1906, when I saw them drop and Ratch Things mitte air. Siasi Island, October 12,1906. Turmindao Island, off Ditanki Island, October 13, 1906, When I was abox Sandakan, Borneo, October 14, 1906. Cagayan Dulu Island, Inlu Dea, October 15, 1906. Bona Bona, Dan antonio Bay, last Palawan, October 17, 1906. Corregidor Island, Marila Bay, December 16, 1906. Bongao Island to Jawi Tawi Island, Danuary 6, 1906. Balambing, Jawi Jaur Island, Jahuary 6, 1906. Manux Mankadsland, January 6, 1906. Sibutu town, west coast of Dibutu Island, January 7, 1906. Simaluc Island, off Tawi Towi Island, January 8, 1906. Siatu, Diasi Island, January 9, 1906.

Lanan, Tagals of Luzon. (Sheet XIV.)
Houliastur intermedius Turney. Holor, Sulu Obsland, January 9, 1906. Baluk Baluk Island, Gamary 10, 1906. Lumboanga, Mindanao, January 12, 1906. Dulie Is land, from Jolo to Main bilon, Bud Dajo Crater Lake, and Diet Lake Beach, march land 2, 1906. , [ mean site of Dorry is Camp 4, Jan. 30, 31, 1906] West coast of Basilan Island, March 3, 1906. Parang Parang, southern Mindanas, March 14, 1906. Lower Rio France, routhern Mindanas, March 15, 1906. Malabang, southern Mindanar, March 15, 1906. Margosatubig, southern Mindanao, Cugust. 16, 1906. Common, one Shot, at Sungpang, Dumanquelas Bay, o outhern Mindanao, august 17,1906. Carto Island, Joan Bay, of fouth Mindanas, Cefrile, 1906. Halina Island, Dumanquilas Bay, D. Hudanar, Chil 2, 1966. Jan Kanien, and Agala, western Minda no, August 34,1906. Maclan Island, gif the cast coast of Coober Island, Softenbre 3,1906. Thying air him where about the hurber of Illa ila, Seft. 8, 1906, firekning up food about the harbored doe the and shipping as fearlessly as the Japanese Kites of Minnerous, Deplember 10,1906, on Congo Asland, which my finde unformed me, is the inhabited by lion other species of Hawks

16 (Sucet I.) Mite-breasted Kite. La-quest' (Tagalos of Luzon). One seen at Mercedes, Im. E. of Zamboanga, Mindanav, P. J. March 28, 1906 Noted at Pantar and Lake Lanao, 1905 Time were noted between the month of the Collabato and Latte Ligicasan, on the Rio Grande, Mudanao, Cet. 19,1903. Wolld on the wagou-road between Walabaug and Camp Vicars, Mudanao, November 1, 1903. XIeneral Wood shot a speemen for the collection, and several others were seen on the island of Sale, bylwern Datto Plpa's residence and his market at Bual, February 21,1904. Tisted along the wagon-road from Macabany to Carrie Vicana ( o to 3000 feet), March 31, 1904, and returning Offic 11, 1904 Sept. 24, 1905, one alighted braide the street, perch = ving on the summit of a dead bambo, in the Walate suburb of Manila. My daughter and I walked to the apot, where several natives also congregated to see and the Taghlos talked noisily it. although were were searcely ten yards distant Mr. Kite showed no fear and looked down to see us. after we had left, a boy theew a stone which frightened it away.

(Sheet II.) 143. Elanus Agpolinens Sould. Westerval at Paidar and Latte Lunn, (ing. + Lept., 1903. " Take Mainit, northern Mindanoo, Ofrilet, 1204-Compathatouloung, Luzon, Voirque be. 28, 196; Come pair at Thorn (Pearl 2, on Benguet Wagon Read, Lugon, December 14, 1906. One, octoran Sivin Spain me Congues, Lugar, in 200 Base of Mount Mayon, Tobacopiele, Ce Coa eq Personice, Lugar, francy and in One was seen on the frail from Naujan to the A Nanjan Strier, castern l'Undero, March 35, 1907; and two, one of which was shot by General Wood, were seen on the Naujan River, near talle Naujan The consider. Hear Daabella, Busilan, January 26 (love) and 27 1. Mr. J. Dr. abrowne, Deputy Lovernor of Basilan, showed our at La Mitan, north Basilan, February 4, 1906, a fame young rite in captivity - a downy fledgling with toing quells 2 2 mobes long. Carop No. 3 to Camp No. 4, Bariland stand, their 1/2 1906. (Pue Phot, at Tourings, Coalubighriver, north Samar Got. 1 14 Que, seen near Jolo, Siele Island, October 11,1906, was tamely unsuspicious. amely unsuspicious. Cue was shot of Loran Island (of Mbian Island) October 12, 1906 Spiermen: No. 14415, Fad.

(x) hect 111.) Channe hypolonous Sould. Of comer collected at Siatu, Diasi Paland, Jan. 9, 1906. OSee-Koch William in Milliam Lake, and Victo Lake, March 1 and 2, 1906, when recording

(Sheet I.) Bahn'-oog, Bagobos of Mount apo, Mindanao ? 144. Pernis cristatus Cuvier. terested Honey-Tuzzard. One was shot on Mount Opo, southern Mindanao, at the elevation of 6000 feet. Kites, supposed to be this opicies were seen in the forest along the road between Mataling Halls and teamful was (10 00 to 3000 fuel), Setterular 29, 1903 and March 31, 1905. One near Malaling Falls, on the Malabank-leaufe Viens wagen-road, Deplembre 29, 1903. Ot Buluan, near Lake Buluan, Mindanao, May 20,1904, I noted a pall, long-tailed striped Howk", which may have been this species. At the lowest Mangyan clearing bryond Benibi Thorn, which we named Bereno Vista Hill, on Deem = bir 4,1906, a bird supposed to be this species Hew about uttering a peculiar wheather Estrellus shot at it several lines, which frightened it are Between Campe No. 3 and Campe No. 4, northwestern Basilan, January 30, 1906, Jones. a harvik, larger Hum Haliastur, with a longer tail, which may have been this oficeic.

(Sheet I.) Haleo ernesti Sharpe. Busky Peregrine Falcon. Noted at Pantar, Mindanao, 1903. One was seen on the Romayn Pewer, near Lake Lunao, Mindanao (allitude 2000 feet), November 6,1903. On the island of Cagayan Sulu, in the Sulu Sea, Hebruary 25, 1904, I noted: "Falcous continually sourced over the highest sliffs." Again they were noted as "seen about The Moro village" One flew overhead, grist as my grun had been discharged, and so was lost, Feb. 26, 1904. Two were seen on the summit of the divide between Oceang and Lake Butig (Cararao Pass), October 4, 1903.

(Sheet I.) Haleo- sererus (florsfield). Andran Hobby. Noted at Santar, Mindanao, in Deptember, 1903. While marching around Lake Lanao from Comp Vicars to Romann River, Ulindanao, during the first wealt of november, 1903, accord were been. a "small black Haleon" was seen on the island of Sulu, between Hassan's and Upa's residences, November 14,1903. " Little dark "Halcous" were noted at Bung Bung, southern Mindanav, G. J., January 30, 1904. I saw one near the Bureau of Loience, in Manila, January 9, 190%.

(Sheet II.) Haleo peregrinue Tunst near Tipo Tipo, interior of Basilan Voland, Fict. 3, 1906. Malamani Island, of Basilan Island, February 13, 1906. Seen on Wit, apo, Mindanao, whenever we were above the forest line. June and July, 1904. Ranged, above the top

(Shoot I.) Faler percyrimes Sunst Peregrine Falcon. Mear Courriman, Lloeve Troste Province, Luzion, January 14, 1907, I shot an adult Jemale, in a Low tree, but it escaped wounded. Co operimen was shot on the Lavage wir belivera Dangra 2 and Padsan, Flores Norte, Legon, January 7, 1207 Hamary 27, 1907, I shot an adult on the Lang Ruin at Lavag, Hocos Norte Province, Luzon. It was on the sand, at the edge of an islet of the river, devouring Our tried to catch a chicken in a yard in the town of Laray, February 5, 1907; another, same day, seen on a sand islet of the Long River; and, on February 7, 1907, a young male made two strikes at the heres in a yard si the central front of the city, but failed. One on the Ruch River between Col gans and Turin ( Pears, Bonguet 11 agen hond, January 4, 1967. Com one of Legastie, DE. Luzon, March 27,1907. About Haleon Veak, allitude 2000 feet, Min= = doro, November 22, 190 =. I did not see this follow on Palmas Island until my second wist, October 7, 1906, when at least two were seen at various places from 155. Cerchneis timmeneulus (Linnaeus).

Kestrel.

At Merecdes, nine miles east of Zambounga, Mindanao, P. J.

Noted on the wagon-road from Milabang to Comp Vicars, Mindanao, March 31, 1904.

Terstam Haitrum saur one, The mary 2, 1907, bestween Santa Matilda and Isangui, in the extreme north of Luzon, in Hoeos north Perovince. Encon see beach a car Lairla, Horas Morte

Promier, Luzon, March 9, 1907.

Peak, Benguet, Pizzan, Dannary 1, 1904, allituite 5250%

(Sheet I.) 102 156. Jandion haliaetus Simaeus). One, at Lucina, southern Luzon, divide into a fish trap and got a fish, March 30, 1907, 1 oted west of Dapitan, of M. shore Ulindana , lug. 7. 1.1. I saver several Ospreys at Zamboanga, Mindanaa, Oct. 10 to 16, 1903. I wo were flying about the wharf at Parang, southern Mindanao, Deloter 18, 1903. Deen on Lake Lanao, 2000 feel altitude, during the first week of November, 1903. One was noted at Dindangan, on Sudangan Bay, northern Mindanao, Fibruary 16, 1904. Several Ospreys were fishing on Lake Lunao, at Sauir on april 9 and 10, 1904. Captani Francis P. Siviter, 28th Infantry, US. Cermy, shot "a large Hawk with a fish in its claws"; on Lake Lanao, Mindanao, September 27, 1904. This was not the White-bellied Eagle, which the also saw. Holed on the Hio Drande from Cottabato to the River wouth, March 14, 1904 It was noted that now were seen on the Cigusan River, Mindauro, in May, 1904.

Pandion haliatus Tinnaeus (Sheet H.) One on the alag River, Mindoro, november 6,1906. Sarangani Island, of southern Mindanao, January 23, 1906. San antonio Bay, East Palawan, Oct. 17, 1906; one seen. Manila Bay, December 16, 1906. Two were moted at Mactan Island, of the east coast of Cebu Irland, September 3, 1906.

The thy of house is they actus ( friend (Sheet I.) "Than - sended this King - Eagle. L'Imeuma loucogaster White-belleed Hish Eagle. Noted on the Cabasaran River, southern Mindanas, January 30, 1904. Ou was seen in captivity at Jamboanga, Ulindan--ao, January 31, 1904 Captani J. L. Dwith, 17th Infanty, U.S. ann, in a manuscript list of the bride of the poland of tag Diassi, P. J., medudes there Knis of Eagle; Throbably with reference to a openies of this Semo, Haliastur intermeduis, and Haliaeëtus leneogaster. Wisted on the lowest porteon of the Rio Hrande Sture of Mindanao, P.J., March 2, 1904. Moted as a large Hawk, gray below to middle of belly, then abruptly white", at Isalella, Basilan, January 19,1904. When descending the Bulanan Prier, between Buluan and Sandog, May 24, 1904, I noted the "large Hawk with front half of underparts dark and haid half white. Comprostela, on the agus an Hiver, interior of Mendanco May 5, 1904; byturan Patrocino and Varicella, on the agus an River, Mindanao, May 7, 1904. Quite minutions on the Agusan River and Lake Lura of Huidana Margy 1960

Dehthophaga ichthyräetus (Horsfield)

Daw one on the Naujan Revir, very near Lake
Naujan, Mindovo, March 25, 1907.

(Sheet I.) 160. Bubo gurneyi Twerddale. Gurney Great Horned Owl. Mindanao Great Horned Owl. I saw a mounted specimen in a Marila museum, labelled: "Jamboanga, Windanao." Heart at Partar, Mindanso, in liegust & Sept, 14. Heard between Boldung and Lake Butig, Undonas, October 1 to 5,1903. One was shot by a soldier, writer of 1905-'06, at Davao, Mindanao (supposed to be this species) and given to Dr. Lovel: fellow, the collector (fide Bolton) Heart on the ripper Libringan River, east of Colabato, southern Mindanao, March 12 and 13, 1904, Heard on the the Coasteel River, at the Mandayan village of water, on the night of Illay 1-2, 1904; also at to a Catagan on the upper Catecl, May 2-3, 1904 (Ot Haight's-in-the-oaks, northern Benguet, Mr. Haight forequently seed Them in the quitet

places in the oak forest.

The Otus of Mount Copo, mindanao, was called (Sheet I) Otus & Bring - yitt by the mountain Bagobos. 163. Deopo occretti Inverddale. Minda an Drocks Week. (1 seops and some species was seen on The island of Cagayan Sulu, in the Seelu Sea, February 25 and 26, 1904. When hunting for a wounded Sla Eagle around the base of a cliff I flushed one; and sin a similar place, another was seen, the next evening. Senon Mariano de Lion, Presidente of Cagayan Sulu, said that this and the Barn Owl were common on the by sailors of the gruboat outher Bolod Islands, and brought aboard ship alice. a Deops was heard at the Mandayan village of Catec, on the opper Caxeel River, on the night of May 1-2, 1901; also at Calatagan on the upper Cated River, May 2 and 3, 1904. a reof sowl was heard on the base of Santo Tomas Peak, Benquet Province, Luzon, night of Dec. 9-10, 1905. Spur of Met Haleon, Mindoro, 3300 feet allitude, Nov. 12-13, 1906 (heard at night).

An Otus was heard nightly at Camp no. 6, altitude.
6300 feet, Tut. Halcon, Window, Nov. 17-22, 1906.

(Sheet I.) Otus, new species Two owls of this genus were seen on Tumudao doland, off Ditanki Island, October 13,1906. One was shot in the dense forest. This specimen should be the type of a new species: No. 14421, Ead. Stomach contained insects, only. Tris yellow. Bill and feet greenish. Both were seen in dense woods; and I moled that the car-tufts were very prominent inlife. No. 14421, Ead., Turindao Irland, off Sitanki Island, October 13, 1906. I have compared this with: Other semitorquis from Japan; type of Q. boholensis; Q. longi= = cornis from Benguet; type of Q. romblonis; type of O. eugensis; type of O. calayansis. Of these the Jumin = = das bird is much nearer engeners than the others in coloration and pattern, but is darker and much smaller. It has the same white, black-tipped scape -= lars. The entire plumage is danter and more heavily marked. Wing about 15 millimeters shorter. Than in O. engensis. It bears no close resemblance to any of the others. Lift in the Bureau of Science, Manila: No. 14421, 3 ad.

(Sheet I.) An owl of this genus was heard as we paddled down the Naujan, Mindoro, March 25, 1907. (Denibi Phoir, Mindoro, Nov. 3 and 4, 1906. Heard every night on the alag River at Camp no. 2, Nov. 5 to 8, 1906. (Pulling was repealedly heard on Basilan Osland, in January and February, 1906. Ou owl of this genus was seen on Baluk Baluk Island, mi the Dulu Dea off, west Baselan Island, Samary 10, 1906.

Otus sp. Mangyan house, altetude 3000 feet, Tut. Holeon, Mindoro, Nov-26-28,1906; heard at night. One flew from a low limb over trail, near leamp Tro. 1 (between the Benjoi River and Subaan), Dicember 5, 1906. Donie flew about Camp Us. 3, alletude 2250 fret, Mt. Haleon, Mindow, november 28-30, 1906, when I tried to shoot some but failed to hit them in the evening dust.

Heard at night on Bueno Vista Hill, Camp

No., altitude Jeet, night of December 4-5,1906. no.

Mo. 15279, Ead.; Comp John Hay, Benguet Province, Luzon, July 9, 1907. Preasurements: 272; 660; 194; 104; 18.5; 36; 40; oose, 10; diameter of eye, 17. In orange. Bill and acre, dive-horse color) with with tip of mandeble yellowish. For a greenish plumbrous, flesh color below, claws greenish plumbrous, flesh color at base. Campbet by

an Igorole

107 (Sheet 7.) Minox japonica ( handing and ) 1. janese Hawk-Owl. Look Look, Jacanes of Basiland lund. Two Kinds of owls hooted in Carefi 200. 2, Basilan Island, February 14-15, 1906. Two Kinds of Cowls heard at Camp No. 1, interior of Basilan Soland, February 13-14, 1906. Que may have being such Mr. Marquis L. Robb-gave me a skrin from Bosilan foreur Isabella) or from Zambounga, Mindanao, J. J. H Wing was seen on the Island West Bolod Island, ni Mu Sulu Dea between Jolo and Zamboanga, February 21, 1904. Of species of Miniox was seen on theisland of Cogayan Duly, mittu Delu Dea, Feb. 26, 1904 One of these to Cools entered the quarters occupied by Dr. H. N. Kierulff, at Margosa Tubig, D. Mundavav, in March, 1906. (in Fuga Island, P. J., May 29 and 30, 1907, four were seen and two Oficineus collected. They should be compared with paparese opecureus. Their yellow. A Ninox was heard at Camp No. 5, northern Basilan, mear the coast, Fright of Jan. 31- Fich. 1, 170%. A Ninox was heard at Camp No. 6, in the interior of Basilan Island, night of February 1-2, 1906. Cajeagan Valand, off north Samar, October 2, 1906.

109 (Sheet I.) 174. Strix candida Trekell. Lirara-Cut. Barn Coul. a Barn Owl from the island of Seele was Kept in confinement in the city park at Jolo, where I saw it February 4, 1904. The moros hold This bird in superatitous dreated. a female, was shot, at Zambounga, Windanao, P. D., Fibruary 17, 1904, by Captani Me Coy. On February 21, 1904, during the military activities ni progress between the american soldiers and Movos of Sulu, one of these Owl's entered as a factor for peace by arousing by its cries the superstions dread of a calamity in the breasts of The Moro combatants, One appeared in the Moro camp near Dutto Wha's place the night brook. I heard this bird on the island of Cagayan Sulve, in the Sulu Sea, February 26, 1904; and Denor Mariano de Lion, Weridente of the island told me that the species is quite commen There one shot by Capt. Deo. J. Langhow, near Zamboanga, Windones, writer of 1905-06.
My first specimen (No. ) was preserved and fre-= sented to me by Senor Catalino Ybalio, a Practi--cante" of Jamboanga, where the bird was for Killed.

( Sheet 11.) 174. Attrix candida Tickell: One was seen in the cogonal lying between the Libergan Valley wir to of Costabato, would La bas, in the Libergan Valley en t of Costabato, conthern Mindanao, March 12, 1904 of Costabato, wife cold to fre his of word, It is it is for it is a function of the provide of the Dubo (or neur residence of the union in on the her get refride, mear leday ist, Its much forme, dure, land, .29,1906. The Horbers wild me "at "in and urare noisipal risht, and is will in severel the housetof for their hostrina. Horace W. Biving, Ordnance Bergeant, U. A. army, caught one of these owls alive at Count Courton, morthern Midanao, as he uvide me under date of July 3, 1907.

(Siecitz., Spiritoriers our tourstonial the late. Luce - wiese ( Bigolow, That som about 7000 feet on Mount apo. Lone were noted as low as 4000 feet. Leese-leese (equal accent), Bagobos of Mount apo-

249. Caevina harmaturoja de (P. L. & Müller).

Philippia Caerna. This Cockatoo was abundant on Mr. Rio Grande, Mindanao, October 19, 1903. Its flight is with rapid wing-shores, not vaising the wings high above the loack but striking very low with there. They were some-- times in floores, but often flying angle, or michacing. Moid at Davas, Mindon &, Conosin 24, 19. 2. Hoers of 15 and 3 Cockatoos flow around the transport Bornes," at x Llan, southern Ithridanas, October 26, 1903. When funding troops on the brack at Siet Lake, on the Osland of Quelu, P. D., Move when 12, 1903, these Cockatoor were so aboundant as to whiten the frees along the alrows about A Sict Lane, Nov. 12, by continued were along the alrows. Cockatoos were seen daily until we light Duly, November 26, 1905. On the Hotel Sound Word Shot for the con in a thank it ; and We s! It seven more, together with Treen Sarrots, as a steed necessary supplement to our meager mess supplies. Cockaion are delicional flavored but vather tough, while Yampynathus's meet was the

249. Cacatua haematuropygia (P. L. & Müller). Many seen between Upa's cotta and Corden litte, Nov. 15 :10. 100 to 200 Cookatood were over, towards couning, feeding in corn and tapeoca fields of the Utoron; but Afores of 5 to 10 piece more usual. They appear to be noisily quarrelsome, scolding continuity in got. Seen on Wit. Buliman and Theree to the brach at Taglibi, November 19-21, 1903. Many seen along In pinter of beach fortwend Taylibi and frio, Mar. 21, 1903 Suranued in the tapioca field 2 of the boros believed Jolo, November 21-26, 1903, when many wer shot for passed.
Noted of Partage Cockatoos were seen at Bung Bung, 1808. southern Mindanao, V. J., January 30,1904. (It the residence of Datto Salis Hasin, two miles from the Cabasaran River, southern Mindanas, Jan. 31, 1904 large flocks of levertaloos were feeding in the feelds of corn and tapioca. Other flocks were roostring at evening on trees along the river, or on slumps of rapling sur= = rounded by water. Hlocks of Cockatoos were moted in trees along Ah shore at Lubungan, northern Mindanao, Feb. 14, 1904. Ou floer of 9 leockatoos seen at Digan, northern Mindanab, P. D., Eubruary 15, 1904. Noted at Higan northern Mindanao, February 15, 1904.

(Sheet III.) Princinc Cockatoo. 249. Cacatua haemoturopygia (P. L. X. Müller). Abundant near the mouths of two rivers entering Sarangani Bay at the Subano village of Mucas, in northern Mindanao. Esous Cunoying Crows elicited the harshest esies sereaus of these ever petulant birds, on trees so high that fire loads of No. 4 shot were required to bring two leockatoos to the ground. Many seen, one shot, on the island of Seele, P. J., boling in Datto Upa's residence and his market at Bual, December 21, 1904. Note .- I paw no leockatoos on the island of leagues Declupin the Sulu Sea, during my stay there of two days. risted from the istand of Deassi, P. J., in 1903-304, by Captain J. L. Smith, 17th Infantry, U.D. Comy. On a march orrula. I Aron Lace Buluan to Davas, southern Mindanas, in May and June, 1904, Captain Fill Me Coy, U.S. Ceruy, noted these brids in the alig River Valley and on the Davas side of the mountain divide. In the arriary of Captain Cooffin, U.S. Vavy, at the Pollok Naval Station, withern Mindanao, I saw one That Moros had brought in from that vicinity. abundant at Cottabato, southern Mindanas, March 3-5, 1901.

(Sheet IV.) 249, Garatua harmoturopygna (P. L. B. Willer). noted on the Rio Ltrande at Kudurangan, Mundanav, March 6, 1904. Many seen between Kudarangan and Barok, Rio Grande Vally Mindanas, March 1, 1904. I saw none in the Taraca Valley, Lake Lune Basin, april 2 to 10, 1909. Two were noted a short distance north of Buldwing, southern Mindanao, October 2, 1903; others were seen at Buldung, October 1, 1703. Noted at Slan, southern Mindanao, October 26, 1903. Noted at Simpitan, near Take Buluan, Windanao, May 24 and 25, 1904. Seen at various places along the Rio France between Lake Lignasan and the rivermonth, May 28 and 29, 1904. Common at Davao, southern Ulindanao, July 15 to 20, 1904. "Hock of three" noted on the Tubay River, northern Mindanao, april 22, 1904. Flocks were seen on the River, D. Mundanas, apr. 2,1906 Ot Solleh Maral Station, southern Mindama, March 2,1904, I saw this oftenes in the aviary of Commander Frederick W. Coffin, W. Mary - a handsome bird, brought in long Moros Drown Hat rice inty Mumerous on the Lebungan Niver, east in the vicenity La la 2, sont en Mindanao, March 12 and 13, 1904.
Draings to Barak, Nio Grandelsalley, March 7-11, 1904
Hlocks sken around Datto Will Doranoga fort, March 11-13, 1907.

Cacalua haematuropygia ( L.S. Müller). noted on Lake Minit, N. Mundanao, april 24, 1904. On the Subay River, northern Mindanao, april 22-24, 190,4, this Cockatoo was abundant, especially about Santiego, where It seores of them roosled in a grove of cocounit trees on the edge of the village. Hoeks noted from Baganga to Christian ado's houp plantation, Truiles west of Baganga, lastern Mindanao, Cefril 26, 1904. River, in the interior of Mindano In a Me andayan clearing, between Tingali and Compostela, MA. Strhart shot site a flock of 100 coexalous and Killed 2 of them. Flocks on the agusan River, from Telar to Vativa Mindanao, May 6, 1904 Dome were old for food, as flocke passed our boats; and I that 3 more in camp at lativa. Jaliva to Patrocino, agusan River, Mindonas, May 7, 1904. Aloeks from Luke Linao to Talaco you, on the Agusan River, Ican, 9, 906 Talacogon to Buluan, Ogusan Valley, Ulindanao, May 10 and 1:, 1900 Agus an River below Butuan, Mindanao, May 11, 1904. They are noised, seolding, gregarious birds; and, if not the most abundant Parrot in Mindanao and Dulu, it is certainly the most compienous

(Sheet VI.) (Cicatua haemalurofiggia (P.L. D. Miller). Camp & Hotsenberg, Luzon, November 28, 1905. Mouth of Baco River, Mindoro, Mortinges. Specimen (no. 14560 Bad) shot at Dubaan, eastern Mindero, December 18, 1906. Quao, Mindanao, January 2.2, 1906. Sarangani Island, off son them Mindanao, January 23 900. Deabella, Basilan Bland, January 26 and 27, 1906; come to some trees in the town at enning to rock! Coamp No. 1 to Camp no. 2, Baselan Island, January 28, 1911. Common from Camp no. 2 to Comp no. 3, Basilan Valand, January 29, 1906. Specinen collected: The 16, 15 Coamp No. 3, Basilan Island, January 30, 19 : Tipu Vipu, interior of Basilandsland, February 15, 1906. Camp No. 3 to Camp No. 4, Boxilan Island, February 16, 1906. Oduli Buli River to Camp No. 3, south Baselow Id., February 17, 1900 Campo No. 5 to Camp No. 6, south Basilan, February 18, 1906. mear Malusa, west Mindoro, February \$ 19,1900. Campe No. 4 to Camp No. 8, interior of west Basilan, Feb. 20, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1900. abundant at Mr. Henry Musser's plantation, near Isabella, north Basilan, February 22, 1966. Munerous on the lower Calubry River, north & samuer, Cet. 1, 1906, when Caltain James K. Thompson woundering (10.14. 1))

(Sheet VIII.) Cacatua haematuropygia (P. 2. S. Wüller). Lanang, last Damar, Celober 3,1906. Deen everywhere, on the lower Catel River, east Mindan-= ao, October 5,1906, when 12 were shot by the party for food. They were in flocks of 3 to 20 together. Caraga, east Mindanao, October 6, 1906. Manay, cast Meridanao, Celobre 6, 1906 abundant, on Julu Island, from Jolo to Bud Dajo Geak, October 11, 1906. Pohot one of several found feeding in corn and tapioea fields, on Loran Island (of Wian Island), October 12,1906. Tumindao Island, off Sitanki Island, October 13,1906 Left in the Bureau of Decince: Nos. 14336 and 14560, 849. From a flock of wild cockatoos, flying over the treetops of Manuk Manka Island, January 6, 1906, I brought down one individual, which, on skinning, discovered to have a fried of coffer wire twisted around its tarsus, showing that it had once been in capturity. Tatan, Tawi Sawi Island, January 8,1906. abundant on Dulu Island, from Jolo to Mainbun, Bud Dajo, Cerater Lake, and Diet Lake, March 1 and 2, 1906. Cotabato, Southern Mindanao, March 15, 1906.

(Sheetvill.) Cavalua hācmāturofiggia (P. D. D. Müller). Parighang, on Dirmanquitas Bay, southern Mindunao, august 17,1906. Lightenant Coharles Mr. Maigne, 4th Covalry, Williams, found it at Count, Dregg, Panyasiman Province, Luzon, in August, 190\$5. Tagulaya, wast shore of Dewas Hulf, southern Mudanas, June 14, 1904.
Tagulaya up to 10 30 Lut on W. Opo Trail, Utindanas, June 15, 1904.
Davas, southern Mindanas, July 18 to 20, 1904.

Cacatua Kah-tah-lah (Hilipinos of Ata Philippine Islands). No. 15.278. Fad. Comp John Hay, Benguet Province Leizon, July 5, 1907. Measurements: 540; 1085; 346 207; vielmon and ocre-?; culmen exolusive of care, 40, tarous, 26; middle los with its daw, 58; cere, 5; defthe foll 42; longest occepital plume, 138. In hozel . Waxed. dark pleube ous. Het and claus dusky plumbrous form Decembra 24 to January 4, 1907, I know Wood saw ie large white leve katoo in the frie woods sat Comp John Hay, on Deveral occasions; on 190, Dawone in a fine tree mearles. Kelley Defort school; and on pely 5,1907, my assistant Seenaco Shot the above-described specimen from the Aspola fine tree at Camp John Hay The bird was whown to Ward deer 2 or 3 of these large white Cockaloos together at Camp John Hay. al- miner also told me that large, white pairots were often seen in Bengus! The fact that no marks of cuflinty Rould be found repor the specimen shot, and that two persons alarmed to have sien more than one of their birds at once are against

(Sheet I.) Grioneturus discurus (Vicillot Whe-whe-que-pea-ah (Filipinosof Santa Maria, Mindanao). A Slock was Reen, between Pantar and Carup. Overton, northern Mindanao, Hornberg, 8, 1903. One was shot, at Zamboanga, Mindanao, P.J., by Master Powell, in 1904. (no. 13338 fad.))
shot one for the collection for one of two rivers that enter Darangani Bay, northern Mindanao, at the Subano village of Mucas. Small floors of these brids were annoyed by pester-= ring Cerows, at Danta Maria, morthern Mindanao February 17,1904. Seen at Kudarangan, on the Rio Grande, Mindanao, March 6, 1900. Seen on the road besturean Vailar and wounded at Pantas Kal-let (Moros of Zambounga). Hoted between Wialaboug and Camp Vicers, Mindener, There's 31:19 One seen near Wataling Halls, Mindanav, Septembri 27,1913 World botturen Buldung and Cararao Tafs, Mindanao, Cetobre 2 to 4, 1903. Son Estrellos pays it is quite common in the hells about (Lamboanga, Ulindanao, P. J. Libringan River, east of Coolaho to, conthum Illind., March 12 + 13,1904

( Prioniturus diseurus (Vieillot). Muco unon on Lake Marrit and its outlet, the Tubay River, northern Mindanao, april 22-24, 1904 Baganga to Christian (Ide's being plantation Tmiles west of Baganga, eastern Mindanao, april 26,1904. Molest on the replier Coaleel River, at the Mondayour village of Calce, Glay 2, 1901-But oco River, a bribulary of the Agusan, ariwing in the wast slope of the East Coast Range of Mindanaer, May 4, 1900, also at Ingali, on the Buesea. Many flocks crossed the agusan Kurr, batwarn Alar and Jativa, Mindanao, May 6, 1904; abundant at Jativa, May 6 and 7, 1904. Jativa to Hakrocino, agusan River, Mindanao, May 7, 1904 OBelwern Patrocino and Varicella, on the agusan River, of saw several pairs occupying holes in a large tree near the piwer bank, may 7,1904. Varicella, on the agusan River, Mindanao, May 7+8, 1904 On Balut Island, Navangani group, affronthern Mindanao, on January 23, 1906, I saw many racret - tailed parrots, apparently of this openis They were nort mimerous in a notch at the summet of the main mountain range, at about 2000 feet allessed

(Sheet III.) Kell-lit, moros of Basilan. (Sheet a Trioniturus discurus (Vieillot) Mear Osabella, Basilan Island, January 26, 1906 Te amp No. 1 to Camp no. 2, Basilan Island, January 25, 110: Tipo Tipo to Camp No. 8, interior of Basilan Id., Feb 3, ? 6's Called Kell-lit by the Moros of Barilan. General Wood shot one, at Lanang, cast Damar, Cetober 3,1906, but lost it on the way back to the ship Abundant, in small flocks on the lower Calcel River, east Mindanao, October 5, 1906, when 6 were shor and 5 specimens preserved (Nos. 14371-5). Prioritirus descurus sulvensis W. Blasius mas noted on Dulu Island, from Jolo to Bud Dajo Peak, (1. tober 11, 1906; but Mr. Worcester Days": "a Rareful Down= V Hootnote to Hand-List of the Birds of the Philippine Islands, by Richard C. Me Gregor and Dean C. Worcester, 1896, fr. = parison of specimens obtained by Bourns and Workeles myself in Sulu failed to disclose any difference between then and typical of discurus, and I am of the opinion thut Blasius's "variety" Ran not stand. - Worcester." Collected at learny Keithley, on Lake Lanco, Mindanas, by Chaptain (Captani) Joseph Clewers, U. S. army. Ce mumber aren ou Sulu Island, from Jolo to Maimbrin, Dud Dajo, Crater Lake, and Diet Lake, March 1 and 2, 1906.

(Sheet I.) Prioniturus waterstradti Rothschild. Voo- 8rig, Bagobos of Jodaya, Mount apo, Minidanao. Hocks of birds that look, at a distance, like Parroto frequently Slewhigh over Comp Loodfellow, on Wt. Opo, Mindanao, during the last hast of June, 1904. The Bagobo natives called them Too-sing.

July 3, 1904. - Many Racket-laded Parroto are Hynig in chattering flocks. July 10, 1904. - Inted at 5 275 fut on W. Opo.

Prioniturus mindovensis Steere Two at Camp no. 2, alag Ruir, Mindoro, Nov, 6 and 7, 1906. Thocks were frequent, screamling loudler, at Camp no. 3, on a ridge north of Ut. Halson, Ulindos at 2250 feet attitude, Nov. 8-12,1906. Nov. 12 and 13,1906, several small flocks were seen in the Mangyan electing clearing or "caingin"; extending from 3000 to 3300 feet altitude on a spur of Mount Haleon, Mindoro. Hrom November 13 to 17, 1906, at Camp, No. 5, on a spur of Mout Haleon, Mindoro, at 4500 Sect attitude, flocks frequently flow up or down The ridge, and one individual was shot. In descending Mount Haleon, Mindow, at Ceamp No. 3, alleteste 2250 feet, November 28 to 30, 1906, many flocks, the largest of 14 individuals, flew with loud crying about the Mill on which our tent was petetied in a Mangyan of Elaeocarpus. (10. 14510) shot had filled its crop with seeds of Elaeocarpus. (2000 from between Camps & and 3, abstude 3300 to 2250 feet, Nov. 28,1906. Specimens shot, in Mindoro, at Camp not, alletude 450 Jeet, November 16, 1906; Camp no. 4, attitude 3300 feet;

Prioriturus mindovensis Stere; Camp no., all'=
; Camp no. 3, altitude 2250 feet; Camp no., all'=
=tude about 400 feet, at Junction of and Alag
ruins (1st crossing); (ower Dubaan Pewer; Suraa ~ 3.

(Sheef I.) Prioriturus montanus Grant. Q'-lis or Oo'-liss (Vgorotes of Benguet). Nome of this genus, seen in the oak woods near the Durnit of Mount Danto Lomas, Benguet Province, Luzon, December 10,1905, were apparently this openies This parrot, which is quite numerous at Haighto--in-the-oats, Benguet Province, Luzon, utters a squaky sound like that of a rusty wheelbarrow. Its ery of 00-lise is a boft love note which is its I gorot name. It has a variety of harsh notes, the loudest being Mose of alarm when it takes sudden flight. Its ordinary flight notes are much oofter litterances. The red prouved, racket-lailed Paraket, is abundant at Haighter. Its actions reminded, me much of those of cour. Carolina Parroquet. It Alies about in pains, or flocks up to a dozen, in the same horisy, erralie manner, often rising to a great height in the air. In July is found it Lee ding alway & exclusively on acorns, which it aflits in There pieces before swallowing. When feeding it will permet one to walk bromeath, even when the trees are no more Than 30 feet in height. A hair bred in a tall oak slub behind Mr. Haight's house. Mr. Haight lunds it was during (August or September - near the end of the vainey De a Ron. Ita sereams are similar to those of

(Sheet II.) The Carolina Paraket. The most was 16 to 20 feet about the ground. Only the old males have red Left in the Bureau of Science: No. 14351, Benguet Province

(Sheet III.) K'lan-tee-palik, Bagobood of Tadaya on mount apo. D. Mnder date of august 30, 1905, Mr. Heleter L. Keller, of Danta Coruz, on the west shore of Davao Gulf, Southern Mindanao, wrote the following: "In regard to the Monkey-laling Horest-Eagle, I have been told that there is a nest about 15 miles from Danta Coruz. It is in the moure -= tains; and I have a native who is going to let me know when there are young ones There. Then I will try to capture Them; and I wish you could be with me." I have filed with MS., 2 pholographic prints, different virius, of an individual taken east of Lake Lanao, Mindanao, early in the year 1906, Jelioto = = graphed, by Dr. James Wallace Van Dusen, United States any. The wind that flies over the treetops with a loud whering sound is a great eagle called K'han-tel-palex ley the Bagobas from Todaya.

Prioriturus verticalis Sharpe a racket-tailed parrot, probably this species was seen on Turnindao Island (off Ditanki Id.), Oct. 13,1906.... A mimber seen on Manuk Manka Island, aff Jawi Tawi Island, January 6, 1906, when a openier reas taken. Common at Sibutu town, west coast of Sibutu Island, January 7, 1906, when a specimen was collected.

114 Santi 255. Tanggnattus lucionensis (Sinnæua). ? Lahng-gahm, Bagobos of Jodaya, Mount Opo, Mindanao. This Parrot has been recorded from agagon Delu, Midanao, Basilan, and Dulu islands. Mated at Davas, smith millindances, Della on any 1911. A gew small floors were seen or Diet Lake, on the island of Dulu, "November 12,1903; and their voices were continually heard during the day. They few about more actions of wing the procuring. Its precedearity of slight and a now retierd only when Alyring whereas a nime to pass of a direct. One was shot by General Wood, near Hassan's residence, November 13, 1903 (No. 13124 & ac). The species was abundant at Upais place. Many were seen on the trail small flocks seem daily in the vicinity of brates, Mountain . November 15-18, 1903. Its flight and notes are like a Duestiz. With Selieman and there to the ireach at Taglibi, Nov. 19-21, 1903. I Daw many of then in trees along the brack from Taglibi to folo, Nov. : Common around to to November 21-26, 1903.
One shot on Pandapungan Island of Minidanao about
12 miles last of Bandboange, Hebruary 206, 1904.

(Sheet II.) Bine of money Paraket. 255. Danygnathus Inconensis (Linnaeus). One seen at the place of Datto Palis Hasin, six miles inland and two miles from the Cabasaran Kiver, January 31, 1904. Hound at Sambigan, Tambegan Bay, Doubten Mindanao, February 1 and 2, 1904. One seen in a tree within the walled city of Yolo, Dulu Island, P. D., February 4, 1904 Many Parrots of this genus um seen, and four specimens from one flock collected, on the island of Sulu, P.J., between & alto Upa's residence and his market at Bual, February 21, 1904. a Tanygnathus was noted on West Bolod Island, in the Sulu See, between Jolo and Zamboanga, Feb. 21, 1904 On the island of Cagayan Dulu, in the Sulu Sea, February 25, 1904 large Parrots like No. 13369 were occa= - sionally flushed in the forest. During the afternoon I shot one of a pair from a cotton true beside a Moro house; and, lowards gorning, their voices were heard everywhere, as they flew about singly or in small floods. They were numerous in Tali trees or the border of a mangrove swamp aft. Langhorne also saw them in turce crossing the reduced on Ferbruary 25, 1904,

255. Sanggnathus luconensis (Timaeus). (2 day quathus was found on the island of Diassi, P. D., in 1903-4, by Caplain J. L. Smith, 17th Infantry, Usarmy. On an overland march from Park Buluan to Davas, Mindanas, Coplan F. R. Mic Coy noted These Parrots in the alip River Valley and also on the Davas side of the mountain devede, in May and June, 1904. Capitani Coffin, U. A. Mavy, had one in his aviary that was eaught at Mr. Pollox, naval Station, Mindanas, Noted at Cottabato, Rio Grande Valley, Ulmdanso, March 3, 1904. " "Kudarangan, " . " " (6, "). none were seen in the Taraca Valley, april 3 to 9, 1904. Hoted at Drabella, Island of Busilan, January 19, 1904. Noted mean Marahui (at 2300 feet altitude), Sept. 27, 1903. Hoted in small numbers between Camp Vicars and Mataling Halla, Mindanao, September 29, 1903. Noted between Parang and Buldung, at Buldung, and from Buldwing to the grave of the Datto who attacked Lieutenant Forsigth's com mand ( Froof a" 15th (avalry), March 15, 1902, September 30 to October 2, 1903. Noted at Simpitan, near Lake Buluan, Mendavao, May 2 Fand 25, 1904. Seen in captivity at Surigao, WE. Mendanao, Opril 21, 1904

Tanyanathus luconeuses (Timaeus). Blue-crowned Parrakeet. On Macanipa Island, off SW. Mundanao, april 1,1906, this species was abundant. a pair wers seen seeding their young in the cavity of a hall, learning tree, about 100 feet above the ground. The opening was of irregular shape and quite large. The burds Three were shot on this island. One preserved. a common pet, usually Kept trid by leg. In spite of its fitulant protests it really likes attention and petting. P. D., Upril 24, 1906. Ayala, Mindanao, P. D., Upril 24, 1906. Lanas, by Joseph Clemens, Chaplain, US. amy, were similar to those I obtained at Davas. Many of Commanda Herederick W. Confin, IV. D. Mary, at Pallok Naval Mation, southern Mindanar, Thanch 2, 1904, brought in by Moros from that vicinity. The Coundard in Ma Libringan Valley, in the vicinity of Labas, southern Mindanar, March 12413,1904. Prairas to Bon . D. . In Prairys to Barak, Rio X hrande Valley, Ulindanas, March 7-11, 1904 "x Several" moled on the Subay River, no othern Mindanao, april 22-24, 1904 hemp plantation, I miles west of Baganga, lastern Mindanao, Opril 26, 1904

Tanggnathus lucionensis (Linnaeus). (Ide's plantation to the River, eastern Mindanao, april 27, 1904 Aguean River, from Pilar lo Jaliva, Mindanao, May 6, 1995 Gativa lo Patrocino, aguan River, Mindanao, May 7,1904. Varicella, on the agusan River, Mindanao, May 7 and 8, 1904 Lake Linao, middle (Igus an Valley, Mudanao, Mary & and ici 904. Lake Linao to Talacogon, agus an Valley, Mundanao, May 9,1904; ofecies "not very abundant in this valley. (Igusan River below Buluan, Mindanao, May 1:, "12. a form of this genus (possibly I. everette) having some blue on the rump was abundant from naygan (on the We same form was noted at the mouth of the Baco Kwer, Mindoro, Nov. 1, 1906. Lewer Dubaan River, Mindoro, Nov. 2, 1966. Specimens were taken, in Window, at: lower Subaan Kwir, Dec. 5; Subaan , Dec. 6; Kong-ogg, Mores of Isondin visi .. Ose-lee- eo, Wilipines of Basila Stand. Davao, Mindanao, January 22, 1966. Darangani Island, off southern Mindanao, January 23, 1936 Common on Balut Island, of the Sarangani group, off southern Mindanao, Jan. 23 and Oct. 8, 1901.

(Sheet. VI.) I'h- gop, Moros of Basilan Island. Danygnathus lucionensis (Linnaeus). Q sabella, Basilan Island, January 26 and 27, 1900 Camp No.1 (Brabella) to Camp Tro. 2, Basilan Island, January 28,190 Camp no. 2 to Camp no. 3, Basilan Island, January 29 At Campo No. 3, Basilan Island, January 30,11 Ceamp No. 4 to Count No. 5, northwest Brillan, Junior The Sipo to Ceamp No. 8, interior of Basilan dei, 1/6 1 3,1900 Camp No. 8 to La Mitan, north Basilan, February 4, 9. Called (th-gop by the Moros of Busilon Island Tipu Lipu, interior of Basilan Id., Feb. 15, 1906; No. 13953. Campe No. 2 to Can po No. 4, Basilan Island, February 16, 900 Buli Buli River to Ceamp No. 5, south Basilan, Hebruary: 4. 1966 taampo No. 5 to Campo No. 6, south Busilan, February 18, 1906 Malusa, west Basilan, Hebruary 19, 1906. Camp No. 8 to Camp No. 9, Forth Basilan, February 21, 1900 Abundant at Mr. Henry Ulusser's plantation, near Trabella, north Basilan, February 22, 1900. Que was shot, at Burengo, Costubig Priver, north & amar, (le les los 1,1906. at Lubig (now known as Taft), eastern Samar, floers were noted on October 3, 1906. Tanang, east Damar, October 3, 1906 Of good many were seen on the lower Cateel River, la: + Windanao, Oct. 5, 1906. The only one shot was very small, apparently young of the small form which I obtained at Jag= ulaya and Dabab, Windanao.

(Sheet VII.) Tanyanathus Eucionensis (Tinnaeus). Caraga, east Mindanao, October 6, 1906. Manay, east Mindanas, October 6, 1906. Inh Island, from Jolo to summit of Bud Dojo Seak, Detober 11, 1900. I shot one of many satur, on Loran Island (of Moian Island), October 12,1906. Speemen: No. 14417, Gad. Common on Tunindao Island, off Ditanki Island, October 13,1906. I skinned one of two That Estrellus Killed (No. 14424, Fad. Moulting). Cagayan Dulu Island, Dulu Dea, October 15,1906. Tag banoa village, 5 miles inland from Bona Bona, Dan antonio Bay, east Palawan, October 17, 1906. Specimens collected by Chaplain Clemens at Camp Keithley, on Lake Tanao, were like those I got at Davao, Mindanao, and had no blue on the rump. Manus Manka Island, January 6, 1906. This species and Tanyanathus burbidgei were common, and feeding in the same trees together, at Sibutu town, west coast of Sibutu Island, January 7, 1906, when of come of both species were collected. Abundant on Dulu Island, from Jolo to Mainbien, Bud Dajo, Cerater Lake, and Diet Lake, March 1 and 2, 1906. Parang Parang, southern Mindanao, March 14, 1906.

Kahr-rang-ogg, Bagobos of Jagulaya on the sign of Davis (Linnaeus). Captaries James P. Jervey and George J. Langhorne, U.S. army, shot some of these parrols 9 m. E. of fambo-- anga, southwestern Mindanao, March 16, 1906. I skrined one for Captain Tangborne. Three were shot on Malanipa Island, in the Celebes Sea off south Mindanas, Opril 1, 1906. Halina Viland, Dermangular Ban, of S. Mindonas, april 2, 1966. Duling, east above of Davoo Sulf, southern Mindanas, June 12, 1904. Jagulaya, west phore of Davao Sulf, southern Mindonas; June 14, 1904 Abundant, but molling at Davao, conthem Midana fely 18 to 20,1904. At a crossing of the Soc-ree-bahn River, between Camp Goodfellow and Todaya, where the aneroid midicated an allitude of 5275 feet, I saw a parrot that looked like this species and was e alled Lahng'-gahm by the mountain Bagobos of Todaya; but the Bagobos of Tagulaya, use the Dulag, cart coast of Leyte, July 25, 1906.

116 (Sheet I.) 256; Hangquathing kurhidger Marke. Dulie Asine - runged Parraquet. Dibute, west soast of Dibute Viend, January 7,1966. I shot one on Loran Island (in Albian Island), Celober 12, 1906; but it excepted, wounded, by chinebring into a live tit. of Mare only obtained this garin . The island of Sulu. The voice of this Parist in so different won that of alanggralius become usua us to in reading distinguished. Some wire, ward of Sich da theon The asland of Dair, a conserve in the; our chat pie bin footnitis behind ) . " ; beard and seen daily, in the vicinity of Cerater ..... W. Sulieman and Thence to the brack is it is in ....... I paw many of them while viding from Taglinit to along the brack, November 21, " At Bisla terro is here is of Tanyounathus war continually a continue, November 21-26,1903. A belie rumped one was shot, at Jolo, November 25 (No. 13140, Gad.). Its mole is aprile lifterent from that of No. 13132 fad, who at Basulara pion, in ... Harris, November 17, 1903, and 6. 1. 1 1000 .... (11/2 mant or Vula Island, I some Doix to summent of 1 Bud Naja Peak, Where I shot Two. 14400, Gad, Get. 11; 1166.

( Sheet. 11\_.) Daning nathus burbidgei Sharpe. Common and Dulu Doland, from Holo to Mainbun, Bud Dajo, Crales Lake, and Diet Saks, March 1 and 2, 1966.

117 (Sheet I.) Bolbobsittaeus !! Mindanao Coolla 1 " in it Dome of coincur of bollobaittaous collected at Parelar Meridanas had the one K blue-singed, others yellow-ringed. Those collected at Surigao and Davao, mindavao, were belue-ringer [ale Noted at Zamboanga, Mendanao, October 16. Many of These beautiful Designer were Leeding oricus a longe, partly dead tree, near the brack Sinderidens, after find of flight, and rested in Smail dry ling a , withing a whiczy note. Noted at Davao, pouthern Ulmdana. north side of Laste Lanas, " " " Toted at Kudarangan, on the Rio Smude, Hundanno, "to in to, ince World along the magon good from it talong to transflying (ch. 3000 frill " " 100 1000 Woted at Malabung, conthern Housener, the 1 " 1. Noted between Buldwag and Cararao Pass, Mundanas, Oct. 2 and 3, 1903. Quite common at Buluan, mean Lake Buluan, Mundan. trees, in company with Louiside a inter

(Sheet II.) Bolbobsettaeus mindanensis (Steere). Mindanao Collared Parratet. noted on the Malala and numbawata ruins, on the trail from Buluan to Sempitan, Minderson May 24 de also at Vempitan, Via, 24 and 25 Some were also noted when descending the Buluan River, between Buluan and Pandog, Wares Abundant in the hells surrounding Lambourga.
Bills of 2 std males collected April , 1906, surre a mixture of gray and home color. Albertala et at lavena a l'éte de la con ling et Sept. 1403 Upha Thungan River, part of Collabato Mundamo March 12-13,70% (1. Low work a seen on Jaka Mainit and along the Jubay Kiver, northern Mindanao, Opril 22. 24, 140. Baginga to Christian (ede's hour plantaition, Timbes wast of Baganga, custern Mindanao, Charl the, 19.00 (l'de's plantation to the Mier, constern Mundanas Chair in L'old on the upper to aliel River, cortienel Hundouse, at the Mandagan village of Colin, in it is in the inper Carice Hier at its remed in The Const Range Mountainis of various Plundaras, ings, 1 // Sporo Mila, a tribulary of the legus and Min, castern Mindanai, Briefing ; also

(Sheefill.) Bollopsittaces mindanensis (Steere). Jalira to Patroceno, agusan River, Mundanao, May " " Warriecla, on the agusan River, Minda nad-, May Tand 8, 9: Like Linas, weddle (geneal piling hundares, 1/2 , 1) " flany" roled, from the Linacto Salacogen, or the Orgusa, Rwar, Ulmdando, May 9,1904. Ola Carogen to Bulean, agus on Valley, Mindarac, Mary 10mm, " agnson Priver Valoro Buluan, Ulindanso, Pilay 1. On Me lower Calcel River, 1234 Mindanas, Colober 5, 1906, I found it more numerous than I had ler secuit before; three shot, two specimes (Nos. 14368 and 14369) some Not uncommon and in good plumage, at Davoo, southern Mindanao, Guly 18 20, 1902. Cump Overton, northern Mindanas, July 9, 1906.

Bolbopsittaeus

Kal-oh-see-see or Thom'-ah-see'-see, Bagobo & of Mount Cape. 261. Jorienlus apricalis Ronancé. "ind. are over-bird or torikeet. Kro-, ih - i' - see (1, noros of "Lambounga). At the Breagen cottas, near Like Lanco, april 9,1904, 2000 Loriginate flow over our coup with found o queeks ( " to it polis and in Some alighted in a balal-not point of me on the for hos of the catte. World at Baganya, castern Mindora . J. D. At OBulian, on the mainland of routhern Ulindanao, January 31, 1904, I saw a flock feeding among thelarge Howers of a leguminous tree similar to the locust. Deven were shot in everanut trees at Dipuloy, northern Mindanao, P. D., February 14, 1904. Bill red. Freet yellow, with black siams. Large, loosely-roving bands mihabited the everanut , were but were not seen elsewhere. When a shot was fired, they would rise and scream loudly as they circled overhead, but would soon return. They were quite gentle, and some continually returned to me that had been shot and that had lodged on a cocoamit-leaf when shot. Noted at the Subano village of Ulucas, on Sarangani Bay, nor them Mindanao, P. D., February 16, 1904.
River, Irfail 6, 1904; but no with Paristo of any the Life 4.

262. L'orienlus africalis Souance. Mindanao Fore-bird. D. 1. The amary of Carpetari & Foredirich W. Dookfin, Com-= mandant of the Polloh Nouval Station, routher Ulin: = Norma, P. D., March 2, 1904, Orace fourteen of these mice futo. L'oted at Cottabato, Prof handellalley, southern Mudanac, March 2,19.1. " between " and OBarak, " " " ; Thany were seen betieren Camp Vieux and Walabang, Ofil 11, 1904 Moted at Asabella, Saland of Basilan, January 19, 1904. Seenat Malabang, Mundanao, October 7-9, 1903. Noted on the Buluan River, between lakes Leguasan and Buluan, May 21; also at the Moro village of Oduluan, mear Lake Buluan, May 21 and 22, 190%. Luite a number were seen at The Malola and Numbowata riers, on the trail from Buluan 2 3 to 26, 1904 Some were also noted, between Buluan and (Sandog, on the Buluan River, May 27, 1904. At Surigao, northeastern Mindanao, april 20, 1904, many were seen, and one shot, in gocoanut trees; others april 21, 1904. "One" was noted on the Tubay River, northern Whindanao, april 22, 1904. Mr. Brown Days it is abundant on Basilan Island

(Sheet III.) 261. L'orienlus opiealis Sonance. Mindanas Love-bird or Lovikeet. Mumerous at ayala, Mindanas, P. D., april 24, 1906. Dann four fice Corihector in the awary of Com. = mander Frederick W. Coffin, 11. D. Havy, at Poller Haval Station, southern tillindarias, March 2, 1904. Moundant from the Dorana ja March to Labor, in the Libringan Valley, cast of Contabalo, Minici 12 and 3, 1906 Prings to Barak, Kio Svande Valley, Mindanao, March 7-11, 1904. Of few were moted on Lake Mainit and along the Dubay Niver, northern Windanas, Epril 22-24,1904. Buganga to Cohristian (Ede's herup Jobs elation, 7 miles west of Boganga, eastern Mindanar, april 21, 1904 ade's plantation to the Yever, eastern Mindahao, (0) fril 2/1904 Some were soon at the Mandayan vellage of Calce, on the Pupper Calcel Hiver, castern Illindonas Thoy 2, 1904, also head of Caled Rice in Guard Range of castern /// Indanar, May 3, 190 1 Julie Ce Miran, carline Minderna (tributary to the Comment) May 4, 1900; also on the lower Bacoca Pring May Pativa to Patrocino, Ognson Ruis, Whinda nao, May 7, 1904 Varicella, on the Ogusan Prim, Minda nao, May 7 and 5, 1906

(Sheet IX.) Torieulus apicalis Sona rec. 1. Linas, middle agus a Valley, Menderech. "Many" were noted on the Coqueau Rivery rough Like Linao lo No (awo gon, Mindanao, Thoy 9, 19 and 11; Polaco gon to Buluan, Ogusan Villey, Mindanao, May \$ 10,1904 Olyusan Hiver below Buluar, Mindonac, Mindonac, Odirel & Dupposed to be this openis were common on Balut Daland, of the Darangani group, off Don Miera Mindanao, Jan. 23 and Col. 8, " ( Direndant at Cooleel and on the lower Cooleel River, last Mindanao, Colober 5, 1906. Specemen: No. 14370, Fil. Chaplain Clemens Polleded it it Comp Kuthley, Mindruno. Garang Jarong, southern Mindanao, March 14,1906. Duling, past phone of Davao Shelf, southern Mudanao, June 12, 1? Jugulaya, west shors of Davar Gulf, southern Mendanas, June 14, 1904.

1 (selected), Soonealling on MV. Copo tract, Ulendanas, June 15,000 ; one shot at 650 feet, in bamboo. nos. 13702 and 13408 (erased) were latte from a mest about Tongook = ling (2000 feet altitude), July 13, 1904. 710. 13'703 (snared) was Inbrequently left alive at Davace.

1 The - erouned Love Keet. Torienlus galgulus ( Linnens). There birds were common on the island of Cagayan Sulu, in the Sulu Sea, February 25 and 26, 1904; but the only ones oblamed were a pair of caged birds purchased from a Moro native. These birds excaped at Jamboange, Min-=danao, but I shot and preserved the male (No. 13393).

263. Toriculus bonapartei Source. a number of these brids were seen on their And ... (" Tiebruary 21, 1904, a long the trail connecting Datto Upa's residence 3 -2 miles miland with his market at Bual by the sea. (1 species of this genus was reported ma 1903-4, . by from the island of Diasoi, P. D., in 1903-04, by (valitaria ). L. Drinith, 14 the Dufantry, Usermy. Woled on Dulu Island, between Jolo and Bud Dajo, October 11, 1906. Manux Manha Istant, January le, 1966. Vulue Island, from Jolo to Mainebun, Bud Dojo, Corater Lake, and Diet Lake, March Land 2, 1906.

Lorienlus philippensis (P. L. S. Minster). OSqual of these birds were seen in cages in litarila, during July, and august, 1905; and, on Our gust 19, 1905, I zour and heard two of them that alighted on a tall tree in the lettle frank at the Cuartel de España, opposite my hotel. Livo, between Lavag and Dings as, Flores North Province Luzon, January 16; 1907. Que pour mai Paray Take, Hero's horte, Jugon Heter. 5, 190%. Nather uncommer at Hay partian, Hoor norte Speries, Luzon, Tubruary 15-11/arely, 1907; 8 promous obtained; usually ocen in vollon loces in the village; no more Than 3 together. Obserdant in the ourmenes groves of evera-met brees at Lucina, routhern Luzon, March 30,1907. ( ) Cornal moted as seen about ( ) ablaan and Nayillian, on trail from Bagin to Carp Holiare, Las and, French 19 and 20, 190%. Can of Boler, sust coast of Luzan, from 2, (Pilithet prings, near libe, houtheastern Lugen, former, Base of Wount Mayen, alser side, Collay Province, Jugor, June 19,100 in

Loriculus philippensis dohertyi Harlert. "I forgot to mention when you were here that Harlest described a Loriculus philippensis dehecty from Masilan in Nov. Zool., XIII, No.4, Dec. 22, 1906, 457!" " Chas. W. Richmond." Drabella, Pasilan Valand, January 26 and 2. 4,100 Camp No. 2 to Camp No. 3, Basilan Island, Journey 27 At Campo No. 3, Basilan Selond, Hanney Et, " Camp No. 4 to Comp 120 5, vorthweest Basildry il. .... ?! 1:15 Coming No. 6, interes, of Basilar, Filmonia. Tipo Tipo to Camp no. 8, interior of Baselow Id., Feb. 3,19. , [sele of Dorey's Camp 4, Jan. 30, 31, 1906], west coast

of Basilan Island, March 3,1906.

Torienlus mindorensis Steere. Sheet I.) Several were seen on the trail from Naujan to the Maryan River, eastern Mindovo, March 25, 1907; and returning it was very common in cocoa-mut trees near the coast and lown of Naujan. ( One seen on the alag / River, Mindoro, Nov. 6.1906. pecinens were taken in Mindoro, at: Subaan Dec. 5 and 6; Cealapan, Dec. 8 and 9, 1906.

120

Divo seen, one shot at Pauler, Mindona.

Of 13. Dabella, Basilan Island formany 26, 1906,

I flushed the bird, and also examined feathers of
one that was probable, Ralen by some bird of,

free, (feathers for eservis).

Dannone at Mr. Henry Musser's plantation, 2

miles west of Isabella, Basilan Island, Fit. 22, 1906.

121 (Sheet I. 178. Eurystomus orientalis (Linn acus). Broad-billed Roller. Lah-pun' Moros of Lake Lamaol. No. 12927 gad. Lah-sun' do Dank or Social Viscoyane of Baganga, Eastern Ulindano. Jahr-rock-sah- Kan, Bagobos of Mount (Upo, Mindanas. Wolled along the pood grow ! the boung to conflicture (0 to 3000 fut), iture 24, 14 Abundant et Cautar in dugt Sept, 1903. Filets mortal der Noted at Baganga, Eastern Mindanso, J. D., October 22, 1903. " Janebourga, western " 1, December 13, 1903. " om urstpide of Lake Lando, " " 11 71000 mires ?, " Abundant on the Cabasaran River, southern Mindanao, P. J., January 30, 1904, also at the resi-= dence of Datto Valis Hasin, six miles vuland and two miles from the Cabasaran River, January 31, 1904. Common at Mueas, a Subano settlement at the months of two rivers, on Sarangani Bay, northern Mindanav, Flebruary 16, 1904. I saw several of these brids on the island of Cagayan Dulu, in the Dulu Sea, February 25 and 26, 1904; and Captain Langhorne, Warry, in Turce crossing the island on Firemany 25 th, reported sear Jone of them One hair occupied a dry tree on a ? , hilltop near mariano de Lion's house, Fishare.

121 (Sheet II.) 178 Eurystomus orientalis (Linnaeus). Broad-billed Roller. abundant at Sligan, Pantar, Maralini, a dis Tanao in august and Deptember, 1903. Wated at Camp Vicars (3000 ft.), Mindana, april 1,1904. " Sarir, on Lake Lanao, " " 2, " Souis to Rogayan, Jaraen Valley, Ulindanao, april 3, 1404, again noted at Sain, on Lava Lanco, april 9 and 10, 1904. Many were seen along the wagon-road from Ceamp Vicanto Maisbaug Caferil 11,1904. I now them each butlesflex in the air. Moted near Marahui, Mindanao, September 27, 1903. ( minter of them were seen at to amp Vicars (altitude about 2900 feet), September 28 and 29, 1765; also numerous along the road from Couplicans to Malabang, September 29, 1903. Common on the Vicars- Malabang wagon road, from Mataling Hallsto Malabang, Mindanas, Cet. 6, 1903. Noted at Davao, southern Mindanao, July 15 to 20, 1904 " Margosa Lubig, D. Mundanas, april 2, 1906. Abundant from Norana, a March to Lubas, Libringan Valley, east of tootabato, flacol 12 and 13,1904. Piange to Baruk Ric Drande Valley, Mindanao,

(Sheet III.) 178 Eurystonus orientalis (Linnaeus). Broad - billed Raller. Noted from Panlar lo Vilaralini, Midanas, September 27, 1903. When Libraryan Valley east of Cottabato Hundana , Mund 12-13,1904 Lake Vilainit, morthern Mindanas, Opril 24, 1904. Jubay River, northern Mindanao, april 22-24, 1904. Oraganga lo Christian adeis hemp plantation, of mules west of Baganga, pastern Mindanao, Copril 26, 1704. (One fleck or family of about six noted, between Ade's plantation and the Rwin, eastern mindanas, april 27, 190% April 29,1904, Dehot an adult male was the Mandayan village of Candooz, in the East Coast Kange of Mindanao. The specimen was skinned and preserved but afterwards destroyed. It's body was laten, and its viseera mode a successful back for saleling a specimen of the large, white-failed ret which I subsequently described as Unes tagula jenses. (Plandant on the townil) acoper River, a tributary of the agusan, castern Illindanao, May 4, 1904; also many on the lower Bacca Shire at Vingali Hayers, 194 and thence (May 5) to the (eque an Rum at Compostica. May 6, 1904, many soon on the agus an River from Com postela to Jativa; very mony "noted from Patrocino to Varicella, on the agus an, may 7, 1904; Varicella, May 7 and 8, 1904.

(Sheet IV.) Ourystomus orientalis (Linnaeus). Varicella to Lake Linuo, Mindanao, May 8 and 9, 1962. Lake Liniao lo Valaco gon, Ogus an Valley, Mindanao. Hay ? Talaragon to the month of the Library River, Mindaure, May 10, 1904. Pili Hot Shrings, near Tibi, southeastern Luzon, June 3. On Fruga Island, May 2 gand 30, 1907, several were alen and me photis. Abundant from Naujan, on the coast to Take Naujan, eastern Mindoro, March 25, 1907. Mouth of Baco River and Dubaan, Mindows, Uso. 1, 1966 Subaan to the Benibi Rur, eastern Mundoro, Nov. 2,19:16 (Denibi (Kvir Mindoro, Nav. 2 and 3,1906 Dearce on the alag Tiver, Unidoro, nov. 5-8,1906 Buena Vista Hill, Camp no., altitude feet, Mindoro, December 4 and 5, 1906 Specimens laken, in Mindow, at: Subaan Pewer, Nov. 2; Subaan, Dec. 5, 1906. (Abundant on Balut Island, Jarangani group, off southern Mindanao, Jan. 23 and Oct. \$ 8, 1906, ranging up to above 2000 feet altetuti. On Jan. 23, 1906, two opecimens were obtained, one of which I am indebted to Major D. D. Stanley for shooting.

Joaq - 2ach -a, Jacanes of Basilan Id. (Sheet v.) Courystonnes orientalis (Linnaeus). Wah-ogg-sock'-i, Moros of Baxilan. Sahl- Pach - sagh-on, Hillipinon, Abundant at Osabella, Basilan Island, Jameing MG 2001 5 7,1 Camp no. 1 to Comp no. 2, Baselow Island, farmary 26. Camp No. 2 to Comp no. 3, & Basilan Island, January 29, 1906. Specinen collected at Camp ito (No. 130:2) At Campo No. 3, Basilan Island, January 20, 19 16 Caref No. 4 to Camp No. 5, northwest Basilan, James 3. Commalarang Privir to Coamp No. 6, interior of Basilar Island, February 1, 1906. Tho Tipo to Camp No. 8, interior of Basilan Voland, hierary 3, 11 Campo No. 8 to La Mitan, north Busilan, fistmany 4. Malamani Island off Basilan Island, Hebruary 13, 1906 Basila to Comp No. 1, interior of Basilan Id., Fish 13. Camp No. 3 to Camp No. 4, Basilian Island, Tith it is 1990 Campe No. 5 to Campe No. 6, south Basilan, February 18, 19:1. 7. Jalusa, west Basilan, February 19 1906. Camp No. 7 to Camp No. 8, interior of west Basilan, February 20, 1906. From were having a wedding faity on the top of a toll, fire-blackened plupate, and were coreaming from Coamp No. 8 to Count No. 9 (Musser's), north Basilan, Feb. 21, 11.

(Sheet VI.) Town Cedlubig River, north Samar, October 1, 1906. Obundant at Burengo, Catuber River, north Damar, October 1, 1906. Tanang, east Damar, October 3, 1906. abundant, one shot, on Bucas Island, aff northeast Mindanao, October 4, 1906. abundant on the lower Catel River, last Mindanas, October 5,1906; Two shot. Common, one shot, at Manay, East Mindanao, Colobre 6, 1906. Dulu Island, from Bolo to Bud Dojo Peak, Oct. 11, 1906. Two seen on Loran Odland (of Wian Island), October 12, 1906. Bona Bona, Dan antonio Bay, last Palawan, October 17, 1906 Balambing, Tawi Tawi Island, January 6, 1906. Manuk Manka Island, January 6, 1906. This bird has a sharp, harsh ery slightly suggestive of the Nighthows, Sibutu town, west coast of Dibutu Island, January 7,1906. Common on Sulu Island, from Jolo to Mainbun, Bud Dajo, Cerater Lake, and Siet Lake, March 1 and 2, 1906. 4 , Inear site of Dorey's Camp 4, Jan. 30, 31,1906 west coast of Basilan Island, March 3, 1906. Camboanga, western Mindanao, March 17,1906. Common, one shot, at Panghang, on Dumanquilas Bay, southern Mindanao, August 17,1906.

1 In the (3- Loct 1.) 180. Telargopsis gigantea Walden. Minit Stork-billed Kingfisher. 130 h- Mah'-Ka (Timos of Ban horangs). Sharpe guez " Siele Id." record. I also sow one on ... Pute menen on Lake Lando, and on the Agens Kries at Himtur, in aug of Sept, 1903. cat the mouth of a fresh-water erest I paw one on the island of Dulu, P. J. Maturan Taglibi and Dolo-, November 21,1903. It was over the mouth of a small priver folo, Sulu, November 21-26, 1903. Holed at Manay, southern Mindanao, P. J., October 23, 1903, When a female was collected. a number were seen at Makar and Hatigam, on the shores of Darangani Bay, southern Wundance, October 26, 1903. On the Cabasarani River of southern Mindanao, This large Kingfisher was really abundant, Jan. 31,1904. Hairly common, or February 16, 1904, on two rivers that enter Darangani Bay, northern Windanas, by Captain Land 12. He Coy saw one at Santa torus, I wino Gulf, D. Midamo, P. J., when arriving from ", " sland trif from Buluan, , 1900

(Strent IT) 180 Polargopsis gigantea Walden. Diant Stork-billed Kingfisher. One was seen on Cate Lunar, men Camp Viens, Mindanino, September 28, 1903. Soon at Lake Butig, south of Lake Lanas; Mindanas, October 5 and 6, 1903. april 22, 1904. - On commencing the ascent of the Lubay River, a "pair was seen sitting side-by-side on a snag that projected from the water. Their wire looking down, with their large bills pointed downward."

Mumerous about Zamboanga, but shy, Keeping away from houses & people. Moted in Chag & Sofet, 1903 on the agree R., at Camp Paular (1800/1). (On the Wintray Kriver and Latte Mainit, mortheastern Mindanao, April 22 to 24, 1904, many of Alese large King fishers were occu, usually in Juinz, sitting dejected, which head and pfirits down, and ullowing the native boals to glide close beneath them. Lake Mainit, northeastern Mindanao, April 24, 1904. (in streams from Baganga to Cohristian (Ide's hemp plantation, Timeles west of Baganja, eastern Mindanas, Cepril 26,1904. On a river (see Quaekenbush's map for name) one day's march west from ade's place, where we sleft the night of april 26-27,1904, some were noted.

(Theet u.) (Bah-eak'-ah Mondaijas of eastern tie mi On April 29 and 30, 1904, as we marched up the Baganga Plivir of Eastern Mindanao, this large Kingfisher Ive recasionally so , although we saw no fish other Than small golies upon the roess and feebbles in the hotlow of shallow pools, although it is probable that Mere joure langer fisher in the deeper waters. as ur approached the headwaters of the Baganga, wery more and then one of the large Kingfishers was seen. Holed on the when Calcel Ruin at Calatagan, eastern Mindanas, Ming Dur .... This opinies ranged throughout the valleys of the Buyanga and Catech him we reaching the head waters in the East Coast Mange. Holadon the Boover River, a brilledary of the (Igusan Prier, carlem Mindanas, May " , alio" on the lower Boroca River, May 4 and 5, 147; also on the Agusan Never at Comportela, Mariti. None with seen on the agus an after leaving Compostille May 7,1904 .- Not seen on the Course Kive: , except at comporting Two, seen believen Salaxogon and the month of the Libang River, Mindanao, were the only one a seen on the agusan River boslow Composition. May 9, 11 10

(Sheet IV.) (Pelargopsis gigantea Waldon (Balut Osland, Parangani group, January 23 and October 8, 1906. 6 Miles west of Isubella, Basilan Island, January 28,1: 5 Between Comp (No. 3 and Comp No. 4, northwest Basilan, January 30,1906, Captuin Holsland Evry and I each took a lettle mative boat and paddled down to the mouth of a river! and saw many interesting brids. This huge-billed Kingfisher was abundant, and of paved one of since (No. 13927 12) Junahobang Prien, south Busilan, February 16. 1966 Campo No. 5 to Camp No. 6, south Barelan, february 15:11, Coarrep No. 8 to Coamp No. 9 (Musser's), north Basilan, Fire 2; Houndant, me shot, of Bucus Island, of northeast Mindanav, Peloter 4,-19010. Abundant on the lower Calcel River, east Mindanao, October 5, 1906. Caraga, east Mindanao, Colobar 6, 1906 Hanay, east Mindanao, October 6, 1906. Seen by General Wood on Lovan Island (off Ubian Island), October 12,1906 Bongar Island to Jawi Jawi Island, January 6,1906 Manux Manka Island, January 6, 1966 Sibutu town, west coast of Sibutu Island, January 7, 1906, when a specimen was collected.

(Shect V.) ( Telangofisio, gigantea Waldon. Demalue Island, of Flawi Javi Saland, January 3, 1906; one on mangiours on off-lying overal flate. Devenal peen, and a specimen soliceted, on Bulak Beleek Deland, 11 rest of Basilan Island, January 10,1906. Frounds of officers club, Jolo Dula Volind, March 1,1406. Main bien, and Seet Lake Beach, Dula Island, March Land 2,1906. , Incar pite of Doray's Camp 4, Jan. 30, 31, 1906 west cocest of Busilan Island, of March 3, 1906. (Sang pang, Dumanginlas Bay, voithern Mindanas, august 17,1906. Cale Inland, Squal Bay, off routh Minda. oc, Offil 2,1906.

Pelargofois gouldi Sharpe Common on the Naujan River, Mindoro, March 25, 1907, when I shot two. Ite note is very loud. A wounded one put up a good and elever fight in the numerous on the Benibi River, Undow, nov. 3-3,1906 A few seen on the Alay River, Windows, Nov. 5-8, 1906. Specimens laken, in Mindows, at: Beniti Kvir at Camp Vo. 1, Nov. 3, 1901. Luco seen on an islet of Malaufrager Dound, tot of Valauran Island, Deptember 12, 1906.

Made is lide Processer. (Sheet I.) Lake Lanar, Seflember, 1903.
Small bluet brown Knighteder; Wated at Mali, southern Mindanas, P. J., Colober 23, 1903. " " Manay, " " " 23, " Extremely memerous along Al. Olio France uple Lake Lignasan, Mindanao, Colober 19,1903. It has a squeatly note, and commonly digits on evante grass that borders the stream. In flegith it sowny prelly, Moted at Davas, southern Ulindanas, October 24, 1903. Seen at Makar and Hatiyana, on Sarangam Bay, southern Mindanao, Cetobro 26, 1903. Marching along ten miles of the beach on the is land of Dulu, O. J., from Taglibi to Jolo, several small blice Knigfishere with brown breasts were seen. One or two looked smaller Mean the others; but the colors Jolo, Dulu, November 21-26, 1903 (On in mipa rwamp at Yamboanga, December 2, 1903. (Pue shot on Dania Coring Seland, of & Bamboranga, Mindanao, December 5, 1903 (No. 13161) Decemed differ= = ent from atters from Mindanaa (compare apromises).

? Aleedo-isprida (Sheet II.) at Bamboanga, mundanso, This little Kingfisher is less abundant Man Haleyon chloris (?) It is a Stryer bird, fireferring shady shallow lagoons Mough not infrequently seen on the sea-wall close to houses. In fact of Dometime's saw them along the Stream Atat passes through the busiest hast of the lown. Tide creeks in nipa swams suit it admirably. Noted at Buluan, on the mainland of Min= - danao, opposite Buluan Island, Manuary 31, 1904. L'ente minierous on the Cabasaran River, southern Mindanao, January 31, 1904. Noted at Higan, northern Mindanao, Feb. 15, 1904 Noted at the mouths of two rurs entering an = dangan Bay at the Subano village of Mucas, north-= ern Mindanao, P. J., Hebruary 16, 1904. On the island of Cagayan Sulu, in the Sulu Sea, I saw a small Kingfisher on a little lide creek bordered by nipa fralus, belind the house of Senor Mariano de Laon, the Prasedenti Later in Mi day (February 25, 1904) Several small blue and - brown Knigfishers were seen on a small stream in a many = grove swarup. One sat on a matier boat, anattier on a stake beside a from e on the edge of the rea-Holed at leottabato, Nio Grande Valley, Mindanad, March 3-5, 1904.

Linacus, and brugalensis (Sheet III.) aleccio ispidal Probably also son e Ceryx, Ceommon Kingfisher. Thotal in a letty alrem near Rogaryon, Torocalally, Epril 4. 17. 1-Noted on the James Rover below Malerngan and at the ownments, Africa, Opaw one on the above of Lake Lanar, the nearteaux. Vicars, Mindanao, Seplember 28, 1903, (Altitude 2000 feet) Noted at Malabang (Mataling River), 2 outhern Illin-= danao, October 7 to 9, 1903. Noted at Slan, southern Mindanas, Colober 26, 1903. More were seen on the Vio France, from Lake Lignasan to the rivermouth, May 28 and 29, 1904. Coundant about the remains of the mont around Mr cite, wall, Manila, Octobra and Movember, 1905. Dien on the Priver, Pril 2, 1906 (Subano Villy, Opril 25, 1906. - Have seen none for some time past. Wited on the agus Rure, of Paulai, Windowno (attitude 1800 ft) Sept 1703. Wolld on the Rio Lyande believer Inangs and colaborato, March 18, 1904. april 2.2-74,1904. On the Subay River and laste Mainit, a few urere seen. Our small blue-and - brown sing fisher" was noted on the agusan River, at the month of the Silverton

Mossibly Rome one (2011-10/11/18) Moedo ispida bengolensis " One amall blue - and - brown Kingfisher" was noted at Mativa, on the Ogusan River, Mindanat, Way 6, 170; I"One pruce brown Kingfisher with a blue head" noted on The Agusan River, believer fativa and Patrocino, mindanco may 7,1904 Dagupan, Pangasinan Province, Luzon, Nov. 30, 1905. One at Africial, at the allitude of 4500 feet in the heghlands of Benguet Lujon, December 3, 1905. Lovercel Deen near Lagupan, Jangassinon, Jungassinon, Jungassinon, Jungassinon, Jungassinon, Jungassinon, If somelines icrobed on the med of the morting Many seen from Courrence to Judge, in Horas Morte Lavag River Jonn Lavagto Dingras, Moorallorte, Lugar, Jano. 18:22 Drigra & to Pad san, Hocoshorte Province, Jugan, January 17, 1900 Large Ruin, common from Large to the surremouth, Jan 30-20 12 Were counted between Lavag and Vintar Lake, January 27/8 Motel Province, Luyon, January 27 (1907).
On ruri from Bojeador to Lavag, Horas Morte, March 9, 1907. Trooper at of again and an area Deprine, Lugar, Ver JE, 1966. Mipper Bued Win and Whinidad Lane, Beauty & ecouler 24,1906 to famiary 4,19 Abundant on Lake Naujan and the Naujan Prier, mindoro, march 25, 1907 Ste note puggeste that of Geniculus. Calapan, Mindoro, October 31, 1966.

(Sheet V.) Alcedo ispida bengalensis (Brisson). Common on the Benibi River, Undoro, hov. 3-5,1966. Scarce on the Celag River, Mindow, hov. 5-8, 1906 Specimens taken, in Vaindovo, at: Camp no. 1, on the Benibi Krvir, Nov. 4, 1906. Asabella, Basilan Island, January 27,1906. 6 Miles west of Isabella, Basilan Island, January 28, 1906 Camp No. 3, Basilan Island, January 29, 1906. Abundant on the River, northwest Basilan, January 30, 1906. (Between Comps 3 and 4.) Camp No. 7 (near Tipo Tipo), in the interior of Basilan Island, February 2, 1906. Malamani Island, off Basilan Island, Feb. 13, 1906. Isabellato Camp No. 1, interior of Basilan Id., 4.6. 13, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906. Two noted on as stream of northwest Basilan, between Court No. 7 and Coamp No. 8, February 20, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1906. Deneral Wood shot spreimen No. 14348, Fad., at Lanang, last Damar, October 3, 1906. abundant on the lower Catech River, cast Mindanao, October 5, 1906. Caraga, east Mindanao, October 6, 1906. Simalue Island, off Jawi Jawi Island, January 8, 1906.

Sheet Hordo istrida lengalensis (Brisson). Zambounga, Mindanao, January 17, 1906. Holo, Maimbein, and Siet Lake Beach, Dula Island, March 1 and 2, 1906 , Incar site of Doray is Camp no. 4, of Jan. 30, 31, 1906) west coast of Busilan, March 3, 1906. Specime Parang Parang, poilhern Mindanas, March 14, 1906. Malabang, southern Mindanao, March 15,1906. Municipal on the shores und islets of Malampaya Sound, ourt Valavan Doland, September 12, 1906. Mouth of Mariquina River, Luyon, September 21,1906.

Alcyone eyanopeten (Tafrasn I shot one at the mouth of a small stream at Casiguran, east coast of Luzon, June 1, 1907. Luite numerous on the Naijan Priver, eastern Min = doro, March 25, 1907. Three were shot. It seldom sat in the open, but usually flew out from a screen of branches at the side of the Wangen River. It was in anch deep shadow that it was difficult to see one, even when I knew the spot where it had flown. It was not shy, but was concealed by the dark shadows. a female sat behind a serien of vines and continually deffed down to the surface of the water and back to the concealment of its perch with such celerity that the morment had the effect of a trout gumping. The morement was so swift that the eye sould searce follow it. One was seen, December 1, 1906, on the Clag River, Mindoro, at the attetude of about 500 feet. It was on a slough near the main Clag.

124 (Sheet I.) Coyx argentatax o medition. settle prosing systems . Silvery Kringfisher. Hahfi-lah-her-ma (Morre of Zambasaja). Deveral were seen on the Organian River, Unidanat, between Variebla, on the lignous This, windance, may signe Subay and (lyusan rivers, in Mindanas. On the Cabacaran River, pouthern Mindanas, January 31, 1904, "two brids were seen for the first true: a very small Knigfisher with a white breast xxxx. Capitain H. R. Me Coy, 11. D. army proted on of there swell Knigfishers on the Celip Navier, in contlieren Mindanad, late in May, 1904. Where were ocen on the Tubay River, northeastern Mindanae, april 22.1014, 1904; one above, 2 below Santego On Opril 74the I moled: Bituern Hobanga and Bunliego, a little black-and-white ring fisher docted across the stream. It was no larger than a favanese sparrow." One was moted on the upper Bacroo River, a bribal'any of the Aguan Prier, near its source in the west stope of the East Consul Range, Illindanas May 4,1904.

(S'heef II.) Copy organization shounddale. Bilvery King Libher. " Daw but six," or the Ogunan Ruer, from barealler to chate Linus to Balacegon, May 4, 1904; adult male shot for leapland the tery. Vestides very large. Fris very dark brewn. Bill black. Fora 2 1- 3 careh foot. West remedicing claux brownish black ( chout the size of farmer insterior. Hone seen below Salacogon, on the Cique an River With M. assistance of Conflain Halstead Dorey, U.S. army, of finally hunted down and obtained a fine example of this rare species on the tor a small britary of the lower Coaleel Priver, east Mindanao, (Colober 5, 1906. Specimen: 10.14367, Bad.

Ceyx One was seen on a stream at Camp No. 3, Basilan Island, January 29, 1906. Species the Durne as specimen No. 13981, from Musser's planetation a few miles west of Isabella Basilan, taken Hebruary 22, 1906. Specimen No. 13958 was collected on a stream at Camp No. 6, Basilan Island, February 18, 1906. noted on a stream of northwest Basilan, between Campho. Fand Pamp No. 8, February 20, 1906. Mr. Henry Musser shot specimen no. 13981, Ead., on a small exect on his plantation, 2 miles west of Soubella, north Basilan, February 22, 1906.

## Cerex melanura Kaup. (Sheet I.)

La var on a long in a clump of bamboo, beside the. La vay Privir, near Dingrad, Hood Hood Pourioe, Luzen, January 18,1907. Past as I was going to shoot, it dorted over the clay bank uttoring a low huitler. I was so near that I could scarcely have mistaren it for any other sicoin

Halinger or and add to the first of Should I Kingfishers. - In Mr. Marquir & Robb's collection a lich I forwarded to the U. D. Wat. Mus., were two of cies that of did not are aling. They many Mary becan la 11 cm long Het. Marquis Winters and the . Wand of Basilon (mean Dealestla), or le, His. Robb near Jameloringa, Mindanav. One was Dimila, to the brantiful blue, white, black, and chestmut Kingfisher of Mindanao; leut it had the underfacts white misteart of chestnuty. The other spices was all chestina, above and below ( De oprouncies) The last was Haleyon coromandus (La Tham) Both from Jun Of followed a pair of Pringfishers subjected to be Has on your 10: o helis Sharpe, at Zambranga; 1. Mendance. , 1904; al one supposed to be this openies was seen at mercedes Fr the Daraca Valley, near Rogayan, Mindanas, Of it 3,1404, "A large Kingfisher, with reddish brilly, red beil, much white .... This may have been Haleyon gularis. What is the color of H. wine elli's heil? Took it up in the books. Man the Jumahobang River, south Basilan, Alt. 110, 1906.

193. Haleyon quelaris (N. 11). Witer invaled Kinglistics. Wah-Kah'-aa (Moros of Paruboanga).

Lean mear the agus River at Marahui, Merid. Commetant on the agree their at Pouter, ing & South, 110 3. This Kingfieles I have never seen on salt water In fact, I have often seen it away from water, but when away from water, but always in open country e-yeefst mear placeaus. This gorgeously-Roloved Kningfieles was seen at various places along the Rio France, Ittindance,

October 19, 1903; but probably no more than five or Dix were seen l'ativean Coottabalo and Lake Liguera. Enplain F. R. Me Coy moted the oversonce of the

"common blue and marvan Knyfester", in the alif Kiver Valley and on the Down Diele of Muruoun=

- Tarin divide breyond, in May and June, 1904.

Moded Murch 31, 1904, at Mataling Falls, believe Milabang withought in Moled in Al Jaraca Valley, near Rogayan, Mindanao, april 3, 1704.

Moted on the Janue a River below Malungan and at the siverness.
(Maril 5, 1904. Noted on the Left Host of Januer Ruin, at Galanan, April 6, 1904.

Water Cesturer Galauan and Basujan, on the Taraca River, april 8, 1904; and a was moted at Basayan (near Ragayan) the summe evening.

(Sheed II.) 173. Haleyon gularis (Kuhl). White - throated Maniglisher. april 10, 1904. - On Lake Lanco, at Sains, this Kingfieles was over on the open water for the first line. I had always seen them inland before this. Of pair was seen mean the Orgus River at Comp Marahui, Mindanar, Depleinter 27, 1903. (I mumber were seen on the lowest portion of the Mataling Kroin, at Inalabang, Mindanao, Oct. 7-9, 1903 Hoted at Lake Beilig, south of Lake Lanao, Windanao, Oct. 5 ault, 1903. Noted on the Buluan Kiver, below the town of Buluan, near Lake Buluan, Mindanao, Man, 21, 1904; also between Buluan and Lake Buluan, May 22, 1904. At the Dim-my-gall-ee River, on the trail from Buluan to Simpitan, Mindanao, one was noted, May 24, 1904. Descending the Bulwan River, May 27, 1904, some were been between Buluan and Pandog. Noted at Surigao, northeastern Mindanso, april 20, 2904 In ascendit the Subay River, northern Mindanao, April 22, 1904: "Three (1 pair)." Abundant on Lake Mainit and Throughout the course of the Mutay River, northeastern Undanas, April 29 to 24, 1904. Some were tome enough to allow the native boals to pass close browniath their.

Haleyon gularis (Kuhl). (Sheet III.) Baganga lo Christian (Ide's hemp plantation, Truiles west of Waganga, eastern Mindanao, Opril 26,1904. Compostell to Vilar, agusan River, Ulindanao, May 5, 1904 abundant from Pelar to Jalura, on the agusan River, May 6, 1904 " Jatua Patrocino, " Of female phot between Patrocino and Varicella was ovipositing, Man, 7,1904. It is this Knigfisher and not then bald-headed starling that utters moles like lesser yellowlige, Phundant from Variecla to Lake Linao, in the Ogusan Valley, Wildanson May 8 and 9, 1904. ( bundant from take Linua to salacage, agus an Valley, Mindanas, May 9, 1904; "choubtless brinds in a burrow in a bank, as such was seen where the laying Lemale was shot yesterday." (Ibundant from Talacogou to the mouth of the Libang. Priver, agus an Volley, Windanao; May 10, 19:4 Many lours of the (19us an 1).
Coluft clay banks, on this perlion of the (19us an 1).
Agus an River below Bulyan, Mindanao, May 1:, 17: Misamis, morthern Mindanao, May 12, 00% Camp Stotsenburg, Luzon, nov. 28, 1905. Dagupan, Pozorrubeo, and Bued River, below Levin Plaks, Lujon, November 30, 1905.

Haleyon gularis (Kuhl). (Sheet IV.) At the bridge about a mile below Colgon's, on the Bued River, Luzon, I saw one, December " Leveral were seen on rocks along the Buch Rever, butwern Comp no. 4 and the samponement the cite (Poundant from Courrings to Largy, Heerelloste Province Luzen, January 14, 190%. Common beside side foods of the Jacog him, flowers Horte (Francis of Luzon, January 16,1907) Abundant nous Large to Dingras, Horas horte, Jan. 16,195% Hundred 2 were seen follow que ingrazonel Paddan, Horax Norte, Luzon, Manuary 17, 1907; often away from water; some setting on the ground in freshly ploughed your Dingras to avay Mocos Hoste France Luzan, January 18, 197. Lavag River Vallag, below Lavag, bo- " 19, ". Common from Lavag to Vintar Lake, do " 23-21," Abundant everywhere from Tavag to Gavarg Lake, Flores Norte Province, Luzon, January 27, 1907. Dome were on the (Unudant from Large to Poray Lake, several on Paray Lake, Flores norte Province, Luzon, Fistmany 5, 1901 Numerous from Lavag nearly to Bojeador, Floros licole, " 15. ".

Quite common at Maghartian, Hocos Norte, Luzon, Hebr. 21 to March 9, 190 f. The only Knight ther Deen of the page of may far trong for the only fly for the formation of the page of the order of the page of the

(Spect I.) Hoaleyon gularis (Kuhl). Common, Mag pattain to Larag, Hocas norte, Luzon, March 9, 1907. Guthe Frail from Buguio lo Comp Wallace, Tuzen, Haret 19 and 20,1907, a member une pour from Olublaan to neer han come. Very numerous on the Naujan Kur, Mindoro, March 25, 1907, where its terrible and cries were heard during the night as we were paditied down the sirian Lower Dubaan Pewer, Mindoro, Nov. 2, 190%. Benibi Pewer, Mindoro, nov. 3 am 4, 1966. 1906. One pair on the Alag Prierr at Compleo. 2, Mindors, Nov. 5-8, 12 Specimens taken, in Mindoro, at Subaan, Dec. 6; Come abot, at Burengo, north Damar, Octobre!, 170 0 No. 14305

128 (Sheet I.) Blue web ite -ballicol King fisher. 196, Halcyon chloria (Boddaert). Pah-lass' (Moros of Jake Lanao). No. 12955 Earl. : lite - sollared Kin file. Ah'-dock, Bagobos of Santa Coruz, on the Gulf of Davao. Hotel of Mulabary, rowthen Mendanas, Junion 31, 1904noted at Daganga, eastern Mindanao, B. J., October 22, 1903. " " Manay, southeastern ", " " 1, 23, 1903. " on the Rio & Trande, Mindanas, from the privarmouth up la Lalle Liguaran, Octobril9, 1903. Hrvac Dom-- mon Aliere, frequently, flying or herching in hairs. Noted at Davao, southern Mudanao, October 24, 1903. Munerous at Makar and Malugam, on Varangani Bay, southern Mindanao, Cetober 26, 1903. West Morr of Lake Lanao, Mindanao, November 2, 1903. seen as follows: From Sixt Jake to the house of Hassan, the Panglima, November 13; from Hassan's to Upa's place; on the trail from repair house to a camp at the foot of Coraler Mountain, near the cotta of Hassan, November 15,1903; Taglebi, November 20, 1903; common along the beach from Toglible to Julo, a distance of 10 miles, Nov. 21, 1903.

128 11 / a - colland Kingdenher. Common at Jorla, Dule, November 2, -26, 1915. (Per the island of Dungdung, of Dute Island, horem - ber 25,1903, several were seen. Commence Cata Deland, office se se, G. D., N. .. 24. 12 3 Common on Pangapuyan Island, of Mindanao, 12 miles east of Zamboanga, December 11, 1903; again noted December 19, 1903 and February 2, 1904. Leenter 7,1903, Jamboanga. (Ibunaant: Fond of the woods as well as the shores. In the trees it perches among the green leaves, and is hard to see le a rule it shows little fear of man, eventering houses Torside the water. It's harsh notes are continually heard; and its guarrelsome disposition is shown by The bullying attacks whom small singing founds.
Woled at the Subano village of Bung Bung, southern Mindanav, January 30, 1904. Noted at Buluar, opposite Buluar Island, Jan. 31, 1904. abundant along the shores of the Clabasaran Tever, and at the residence of Dallo Valis Hassin, southern Mindanao, January 31, 1904. OSulnan Island, aff porthern Mendanas, February 1, 1904 Noted at Jolo, Duly Island, P. D., February 4, 1904. Noted at Dipulog, northern Mindanao, P.D., February 14, 1904.

96. Haleyon chloris (Boddart). 7. (Sheet III.) White-briced Blue Knig fisher," noted at Lubungan, northern Midanao, February 14, 1904. Noted at Camp Overton, northern Mindanao, Feb. 15, 1904. " " Hu Subano villager of Sindangan Con Sin. = dangan Bay, northern Mindanao; February 16, 1904. Holed at Santa Maria, northern Mundanao, Hebruary 17, 1904. Hoted at I I wal, Sulu Island, P. J., February 21, 1904. Hound on West Bolod Island, in the Seele Dea, between Gulo and Jamboanger, J. J., February 21, 1904. Hound on the island of toagayan Sulu, me The Sulu Nea, Mebruary 25 and 26, 1904. Most minurous on the edges of mangrove swamps. Moted at Collaboto, Rio France Valley, Mindanoo, Mairl 3-5, 1900. Vited to turan Roganian and Maleungan, Jaraca Volling a horis Moled in the Taraca River, Lake Lanao Basin, April 5, 1904; also at outh Taraca River airies 1974.

Malanan, on the upper Taraca, Chris; and between Daloun and Bresyon) Noted at Dealella, Basilan, January 19, 1904. Noted as common along, the most surrounding the city wall, at Marila, in august and Seplember, 1904, and July 26 to , 1905. It was aften seen perches on telegraph and lelefitore wines.

(Sheet IV.) Haleyon chloris (Boddaers). White-collared Kingsisher. Noted on Lake Lanao, Mindanao, Soplember 28, 1903. Deen at Camp Vicars (actitude about 2900 feet) Soft 28+29,190. Deen at Malabang, Illindanao, Colober 7-9, 1903. Numerous at Ilan, southern Mindanao, Colobre 26, 1903 Neither Mis nor any species of Knightsher was seen on Lake Liginasan, Mindanao, Many 17 to 19, 1904, nowether - standing the plentitude of other fish-eating birds. as we approached the village of Buluan, on the replan Buluan Kwer, May 21, 1904, a poir of these Kingfishers was noted as "the first Kingfishers seen and leaving the Wio Shande; others were seen at Buluan, May 21 to 23, 1904. noted at Simpitan, near Lake Buluan, Mindanao, May 24 and 25, 1904 Descending the Buluan Viver, May 27, 1904 several were noted between Buluan and Jandog; and Devaral were noted seen at landog. Descending the Siv Frande, from Lake Liquasan to the swirmouth, May 28 and 29, 1904, a good mary were and Placer, in C Holed at Curigao northeastern Mindanao, april 20, 1904 "Saw plenty" of them at Bacuag, northeastern Min=danao, april 21, 1904.

(Sheet. Y.) Haleyon chloris (Boddaert). White - collared Kingfisher. Seen at Subay, northeastern Mindanac, Ofril' 2, 1700.
In ascending the Luby River, April 22, 1904, "many.
Noted at Babuboanga, western Mindanaot, Aug. 1, 1904. " Davao, southern Mindanao, July 15 to 20, 1904 (Chundant about Manula, during Colober and Unicula, 1905 Seen at Jolo, Dulne, March 26, 1901. Seen on Malanipa Ad., of D. Mindanoo, april 1, 1900. " Cobo and Fateria islanda, Jgat Bay, off S. Mindanao, Q. J., aliel 2, 1906, a member were seen on Little Santa Corus doland, off W. Mendanao, P. J., april 11, 1906. Abundant at Ayala, Mindanao, S. D. Capril 24 1906. Common at Pantar, Windanao (attitude 1800 feet) in aug. 4 Sept., 1103 Soveral ware seen in the vicinity of Labas on the upper Libungan River, east of Colabato, March 12 and 13, 1904. Prange to Barak, Rio X hande Valley, Mindanao; March 7-11, 1904 Seranaya Hort, March 11-13, 1904. Woled on the Plio Drande at the mouth of the estero Which drains the Lesanoya Marsh, Winel 14, 100 One pair noted, on the Rio Grande, between Prange and Colabato, March 14, 1904 Holed at Lake Mainit, northern Mindanao, Opril 24, 190:

(Sheet VI.) Haleyon chloris (Boddaert). Paraganga to Christian ade's hemp plantation, 7 miles. unet of Raganga, eastern Mindanao, April 26, 1904 Misamis porthern Mendanso, May 2,175; Jimunig, northern Mindanao, May 12, 1704 Langaran, northern Mindanao, May 13, 190%. Poliangar, on Murcialagos Bay, northern Mindanao, May 18, 194 Danita, S. J., August 17 to Softenber 15: 1900. Camp Jossman Island of Duimaras, December 24, 1905. Jolo, Dulu Island, January in in ( Coloundant on three amall islets of the south end of Sebutu Osland, January 5, 1906 One, on Javay Lake, February 5, 1907, was the first that I had seen in Llocos norte Province, Lugon Two seen, February 25, 1907, at the mouth of the Boran Mir; Hoes Norte Province, Lugon. One on Boran Ruri, do Maich 9 190%. Surrat on the dugapant (in Canyasinan Promise, Lugar, 2 cc. 25, 1406. Streams at base of Mount Mayon, Legasfii side, Celbay Province, Lidyon Mearch 28, 1907. At Sabaco, albay Province, Luzon, March 29, 1904 I saw perched whom a large cross in the ground of a land Cloundant at Lucina, southern Luzon, March 30, 1907

(Sheet VII.) Haleyon chloris (Boddaert). Coloundant, Marte 20,1907, along the brach from Dan Gernando to Comp Wallace, Luzon. San Fernando, La Union Province, Luzon, May 20-25, 1907. Apari, northern Luzon, May 29, 1907. Casiguran, cast coast of Luzon, June 1, 1907. Baler, east coast of Luzon, June 2, 1907. Tibi, southeastern Luzon, June 3,1907. Tabaeo, albay Province, Luzon, June 4, 1907. a few were seen on the Island of Botan, L. J., May 27, 1907, when one was shot by William Horr tearpenter. Common on Huga Island, P.J., May 29 and 30, 1904 Common from Varijan to the Navijan River, lastern Mindoro, March 25, 1907. Calapan, Mindoro, October 31, 1906. Mouth of Baco River, and Dubaan, Mindoro, Nov. 1,1906. Specimen: No. 14594. Bad. Corregador Island off Manila Bay, Dec. 16, 1906. On my first visit to Palmas Island, January 21, 1906, I saw none, and natures said that no Kingfisher was resident on the island; but, on Cetober 7, 1906, a munber were seen and two shot by General Wood and one by the writer.

Haleyon chloris (13 oddnert). Daranganiotsland, off southern Mindanas, January 23, 190 Balut Island, Darangani group, Jaman 23; 1906 and Cetober 8, 1906. On the latter date one was shot by Dr. Paul Co. Francis. Drobella, Basilan Island, January 26 p. 27, 19015 Camp No. 1 to Camp No. 2, Basilan Valand, January 28, 19 County Tro. 2 to Comp No. 3, Basilan Island, Garmany 3% At Campe No. 3, Basilan Faland, January 30, 196 te amp 16.8 toda Mitan, north Basilan; February 4, 1906 Malamani & Island, of posite Basilan Island, February 13, 1406 Sabella, Basilan Deland, February 13, 1906 Tipu Tipu, viterior of Basilan Island, Fichruary 15, 1906 Jumahobang River, 2011 Baselan, February 16, 1900. Buli Buli River to Count No. 5, south Basilan, 416-17, 1906 Camp No. 5 to Camp No. 6, south Basilan, February 18,1906 Malusa, west Basilan, February 19, 1906. Camp No. 7 to Camp No. 8, interior of west Basilan, Heb. 20,190 Coamp No. 8 to Camp No. 9 (Musser's plantation), north Basilan, Feb. 21.176 Mr. Henry Musser's residence, mear Isabella, Basilan, Feb. 2.2, 19:10 ilajougan Loland, if north Damar, October 2,1906, when AG. 14335, Fad., or was collected, when one was shot. Borongan, east Damar, October 3, 1906. Capt. C. D. Cerosby, Master of the Mindanao shot togo when there were shot, and many others Dier.

(Sheet IX.) Haleyon Chloris (Boddaert). abundant, one shot, on Bucas Island, offwortheast Midanao, Celober 4, 1906. Abundant on the lower Catel Priver and at Callely last Mindanao, October 5, 1906 Caraga, east Mindanao, October 6, 1906. Manay, East Mindanao, Celober 6, 1906. Deveral in the crater of Bud Dajo, Dulu Island, Oct. 11, 1906. Diasi Island, October 12, 1906. Many seen on Loran Island (of Ubian Id.), October 12,1906 Tumindao Island (off. Delanki Island), October 13, 1906, when I collected No. 14426, Fad. "Small and blue." Cagayan Dulu Island, Xulu DEa, October 15,1906. (Lumbucan Island, October 16, 1906 (Gent. Wood). HE Corregidor Island, Manila Bay, December 16, 1906. On april 28, 1907, Leveral Wood allempted to land on Iboyat Island. Two sailors got ashow. the danger to the ship's boats was so great that the attempt to land our party was discontinued and the only land bird observed was this Kingfisher ". Sibutu Town, west coast of Sibutu Island, January 7,1906. Diatu, Siasi Island, January 9, 1906. East Bolod Island, Sulu Dea, January 10, 1906. Jolo, Julie Island, January 9, 1906.

1 -: (Shect X.) Haleyon Chloris (Boddaert). (I muniber usu o esu, and a opecimen taken, on Boluk Balick Voland, Jonnay 10, 1906. Lambounga, Mindanao, January 12, 1906. Offolo, Dulu Beland, Jame March 1, 1906. Sulu Poland, from Jolo to Mainbun, Bud Dajo, Corater Lake, and Diet Lake Beach, March land 2, 1906. , locar pite of Dorey's camp lot, January 30, 31,1906 west goast of Basilan Holand, March 3, 1906. Carang Parang, southern Mindanas, March 14, 1906. Lower Rio Strande, Douthern Mindanar, March 15,1906. Malabang, southern Mindana, March 15, 1906. Univale Daniel. West shot one at Jamboniga, Mindanao, March 14, 1906, and okramed it for himself. ( Ithink this is the unlababled akin that Dr. Richmand wrote me about.) Panghang, on Dumanquelas Bay, southern Mindanao, Clugust 17,1906. Cubo Saland, Sout Bay, of south Hillindaras, (1pril 2, 1906. Hatina Island, Dinnanginia Bay, off 3. Mindance, (1/sil 2, 1966. Dan Ramon, and ayala, weste in Windanao, august. 27,1906. Many were ded on Maclan Astand, of the cast coast of Cebu Island, Xeptember 3, 1906. Comp Connell, and evast of Damar Island, Soft. \$,1906

ah-dock, Bagobos of the west shore of the Gulf Davas, Mindanas. ( Ubundant, 2 specimens tallen, on Caryo Island, Nijibinie 10, 19ch Common on the shores undistile of litalampaga. Dound, Last Salawan, Deplomber 19, 1906. Mariguina Valley, Rigal Province, Lugar, Defluda 14,1906. Marieta, Parig, Daylay, und Centificto, Luzon, Deplember 21,1906. Common at Duling, on the east shore of Mr. Sulf of Davno, June 12, 1904. Davao, pouthern Midanao, June 13,1904. Common, June 14, 1904, at Jagulaya, southern Mindauar, where, as at Zamboanga, M. Visagan Hilifimor call it Martin Pescado asul". Taliend Taland, Vulfofd ovar, off southern Mindowar, feli 17, 1904 Davas, Jouthern Mindanas, July 18 to 20, 1904. Camp Overton, northern Mindando, July 9, 1904. Pair proted at leauf Connell, near Callrayon, west coast of Damas Obland, July 12,1906. Nacloban, Light Island, July 24, 1906. Dulag, lust coast of Leyte, July 25, 1906. Camp Overlow, northern Mindanao, May 7, 1906.

129 (Sheet I.) 197 Haleyon hombroni (Bonaparte). Houstienez Kinglistier. Bah-Kah'- Kak, Bagobos of Mount apo, Mundaniao. (Circ stres peur in the forest, near Pantar, Ulindanao (altitude 1800 feet), august 11, 1903. Several Knighteers seen along the upper courses of the Baganga and Catel rivers, in eastern Min-- danas, were probably, this species. a specimen was shot (No. 13527) at about 6000 feet altitude on Mr. Opo, Mindanao, P.J.

130 " (Sheet I.) 202 Hydrocora y mindanensis (Twenddale). Drat Mundanaon Hornbell. Calao is the name need by Spaniards and Felipinos. Kal-ow (Moro). 1 No. 12886 Bad. Joang-cah'-go (Movo of Lave Lanco); The headed Have Combill Common, him tourself and her a moted along wag w-read from ilalabang to Campbions ( to 300 o feet), word 31, (Towndont at Pantar, Marahui, and M. sile L. Lanco, and The Noted at Jambounga, Mind., Oct. 10-16, 1903. Brown berda (9?). Brown, lesids and big, black Hornbills were noted at Baganga; Mindanav, G.J., October 22, 1903. One big brown Hornbell was noted on the Rio Drande above Cottobato, Mindanao, Colober 19,1963. Large black, and brown Hornbells were noted at Davao, southern Mindanao, October 24, 1903. Sien and heard all along the wagon-road from Malabung to Camp (Inears (23 miles), November 1, 1903. Black and brown ones seen on the Cabasaran River, routhern Windanas, January 30,1904. Also at Buluan, on the mainland of southern Mindanao, January 31, 1904 Black and brown Hornbello seen at the residence of Datto Salio Hasan, six miles inland and two miles from the Cabasaran River, January 31, 1904.

130 and 134 (Shect LI) 202. Androcovax mondanensis (Tweeddale).

" 13 Carpenand Trown of Fornbella" were noted at Dindangan, on Dindangan Bay, nor Them Mindanao, P.D., Hebruary 16, 1904, "Brown Heornbills" were noted, get the mouths of two sures which enter Sindangan Boy and the See-= bano village of Mucas, in northern Windanao, P.D.; and a block one was shot by Caplani Langhome. Brown and Black Hornbills", urre moled at & an la Maria, northern Mindanao, J. J., Hebruary 17, 1904. Caplani Fi R. Me Cery, U. D. Comy reded a" great many" of Aten Hornbills in the alip River Walley and on the Davas side of the surrentani divide, in may and June, 1904. Large flooks of these phiential, not lited thouther fine as ess the good between Maintain and Camp breasto-son 1. Al, Morole 31, 1904. 1. 126 menterous more 11. Many oven and heard, on the trail from the Buluar, Buluar (near Lake Buluar) to Simpitain, Min = = danao, May 23 to 26, 1904. Hoted at Dav Seen at Margosa Lubig, D. Mindanao, (9. 9. Opril 2, 1906. Landon in august and September, 1903.

(Sheet II) Hydrocorax mindanensis (Twireddale).
(Mindanao Freet Hornbill. Hoeks were noted between Camp Vreas and Walabary, White Observed mean Comp Marahui, Mindanao (alletude 2400 feet), September 27, 1903, Seen at Buldung, Mindanao, Oct. 1 and 2, 1903. Many seen on the trail from Buluan (near Lake Buluar) to Simpitan, and at the latter place, May 23 to 26, 1904. Deen on the Rwis, near Dulrano village, (Epril 2, 1906. abundant on the Iligan-Lake Lanao wagon road (sea level 240 ofeet) during august and Deplember, 1903 Pragage to Deranaya March, Mundanao, March 7-On the Sulvay River (outlet of Lake Mainit), mortheastern Mindanao, on Opril 22, 19014, a flood of 14 sourced across the river valley. Ofterur eds noted as "common" on Lake Mainit and Mu Jubay River, Ofiril 22-24, 1904. Daganga lo Christian ade's hereh plantation, Truites west of Baganga, eastern Mindanao, Cepril 26, 1904. "Myriada" were noted from Ada's herep plantation Miver, eastern Mindanao wast to the april 27,1906:

p (Sheet III.) Hydraeorax mindanensis (Suraddale). (Thenty of Atornbills were heard on the march from River to the Mandayan village in the East Coast Mountains of Mundanao, Chris 28, 194. On Opril 29 and 30 they were still abundant on the upper Baganga! holed on the upper Galeet Kinn, at Calalagan, caster Mindanav, May Jami By 1900, alse to the source of the Coalect in the Cast Coast Mange, Island, 11 Obrandant on the Bacoco Wiver, tastern Ulindanas May 4, 1904, one was shot; also noted as abundant at Dingali on the lower Bacoca Ruer Way 4 and 5, 1904-Many flocks on the agusan Rurs, from Vilar to Hativa; May 6, 1904; many flocks at the mouth of The Liberton Kiver Abundant on the Agusan River, Mindonao, from Jativa to Palrocino, May 7, 1904. (Phundant from Last & Finas to Valacogon, on the agersan Rwin, Mindanao, May 9, 190! (Chundant from Salaeogon to the mouth of the Libang Rwer, Ogus al Valley, Mindanao, May 10, 1904; one shot fell to the ground, then climbed up therough a tall bush and flew strongly away just as a native boy was about to lay hands on it.

Hydracorax mindanensis (Twereddale). Mr. Marquis L. Robb obtained afreneus on the Island of Basilan, where I also, Sued River Valley, above Lovin Peaks, Lugon, Nov. Osabella Posisilan Island, January 26 and 27, 1900. Camp no. 1 to Comp No. 2, Basilan Island, Hannary 23,11 Camp No. 2 to Coamp ho. 3, Basinate Island, January 29, 1906; specimen (No. 13921) abot at leamy hi. Note. - Three genera Lof hornbills In Bucilan." I saw only Hydrasony and Sindopicies. (At Campe No. 3, Basilan Asland, January 30, 19 Camp No. 4 to Camp No. 3, northwest Basilan, Jan. 31,1906; one; Campo No. 6 to Camp No. 7 ( near of por Sipo), in the interior of Vasilan Island, February 2, 1906. Sipa Thoto Camp No. 8, interior of Basilan Island, Heb: 3. 11. (Campillo. 8 to La Milan, north Baselan, Hebruary 4, 1906. Obabella to Campe No. 1, interior of Basilan Vd., Feb. 13, 19.11. Camp No. 1 to Camp No. 2, interior of Basilan Id., Hebr. 14, 1906. Camp No. 2 to Camp No. 3 (at Tipu Lipu), Baselaw Ide, Feb. 15,1100. Camp No. 3 to Camp No. 4, Basilan Foland, Pet-16, 1906. Buli Buli / Eiver, south Basilan, Hebruary 17, 1906. Camp No. 5, south Basilan, February 17 and 18, 190 Camp No. 5 to Camp. No. 6, south Basilan, February 18,1906.

(Sheet V.) Heydracorax mindanensis (Dwerddale). Malusa, west Mindoro, Flib mary 19, 1906. Camp No.7 to Camp No.8, northwest Baselan, Feb. 20, 1906. Camp No. 8 to Camp No. 9 (Musser's plantation), north Basilan, Feb. 21, 1906 Musser's plantation, near Isabella, Basilan, Feb. 22, 1906. ( Chundant on Bucas Island, off northeast Mins =danao, October 4, 1906, when several were a hot lay our party; but they were sported, owing to the giving out of ice on ship, before I found live to akin them. The identification, therefore remains in doubt. Abundant on the lower Cotel River, east Mindanao, Cetober 5, 1906, when one was shot &. Celober 6, 1906. - at Caraga, cast Mindanao, had mounted one in his house. Manay, cast Mindanao, Cetober 6, 1906. at Zamboanga, I had some pleotographs of a young Calao made at the Giang Photographic Studio, by Mrs. D. Encinas. Bill: Dated "april 5 th, 1906," for "2 Meg. and three Jirints each \$450." Ist Tirutenant Gerrit Van S. Quackenbush, 23d In--fantry, carly in November, 1904, noted hundreds of calaos" on the Rio X Ivande above Piket, Ulindanao. Balut Island, Darangani group, January 23,1906.

Miller Seper Gern Fill-207. Genelopides offinio Dwerddale. Captain 4, R. Me Coof, U. A. army, formet this species abundant in the Olip River Valley, another Mudanas P. J., about the end of May, 1904. ane shot at Cantar, Mendana noted at Davao, southern Mudanao, July 15 to 20, 1904 One was shot at the Dubano village on Kriver near Margosa Tubig, D. Mudanao, april 2/906 Librardan Likaz, Libringan Valley, ens of Colabetto, March 12, 1904. I luer, (lde's plantation to the castern Mindanao, Capril 27, 1904 Historior of Mindanao, May 4 and 5, 1904 One was noted between Pilar and Jalua on the ages an River, Mindanao, May 6, 1904 An flocks on the Ognoun Prier between fativa und Satrocino, May 7, 1904; called Boo'-by by our Mandayas. In floors on the aquiran River from Lake Sinao to Jalacogon, Mindanao, May 9, 1904. Om flock noted, just below the month of the Library Rivir, Cegusan Valley, Mindanao, May 10,1904.

(Sheet III.) Tenelopides offinis Deverddale. Humerous at Ideling, on the last shore of the Julf of Davao, June 12,1904: No 13493, End. Inis dark red. Ridge process of maxilla reddish brown shading to whitish at base and pale reddish Calerally where it goins the maxilla proper; maxilla dank red frown on basal half, pale olive on terminal half; mandeble red-brown at base above, prale olive on terminal half, with puter = = mediate space area prossed by four whitish oblique ribs, I separated by three black grooves, the extreme base of mandible below bring red. Freet olive-plumbrous; claurs. plumbrous-black. Measure-=(ments: 580; 780; 245; 225; 100; defith of bill at base, 38; 45;47. Dava o-, southern Mindanao, June 13, 1904. Home real-level at Todaya who to 1750 feet alletide on the base of Mount Opo, Mindanao, where I collected specimen No. 13504, Rad. June 15, 1904. Davas, Doublem Mindanas, July 18 to 20, 1904.

(Sheet I.) (Penelopides basilanica & Heere. Mr. Marquis L. Robb obtained a Openien for Ah U. D. national museum on the Island A Basila:. Mear Palella, Basilan Island, January 26, 1766. Mumerous at Camp No. 3, Basilan Island, January 29, 1906 Many seen between Camp ho. 4 and Comp ho. 5, nor thewest Basilan, January 31,1991. Campo No. 3 to Camp No. 4, Basilan Opland, Feb. 16. 19.6.

(Sheet II.) 204 Penelopides Junini (Boddaers). Ing-yet, Bagobos of Todaya, Mount apo, Mindanao Commen, one shot, at Panghang, on Dumanquelas Bay, southern Mindanao, August 17,1906; June No. 14301, Bad. (It Malabang, omthem Mudanao, Y. D. Cook, Sergeaut Firs + Class, Hospital Ceorps, U. A. army, showed me the skin of a small Calao that appeared to be this spices. It was shot at Mataling Falls, between Malabanganel Like Lanao. Its head was dans. Herether; In my membrandum, made at the time, I said: Hosp. Dergeant Gook has a black Hornbell with white-banded tail of small size." Very abundant on Bucas Island off northeast Allahdanao, Welober 4, 1906, When some were what by our party, but were not preserved. (Obundant on the lower Calcel Rier, east Mindanao, Rotober 5, 1906, when 6 were shot, and specimen to. 14378, Sad, shot by Caplain Holstead Dorey, was preserved. Deneral Wood brought in 3 dark-Roloved birds, with the akin of face and chim blue instead of white . These were females. I had supposed, previously, that they belonged to a different species.

Penelopides mindorensis Steere. Subaan and lower Subaan River, eastern Uludovo,: Nov. 2, 1906. Lower Subaan River, Mindora, nov. 2, 1906. Specimens taken, in Mindovo, at: Dubaan, Dec. 6; Calapan, Dec. 9, 1906.

(Shut I.) Cranorthinus Concres habers (Vicillet). I hite - headed Hornbill. Kal-yew -uh, Bagobos of Todaya, Mount apo, Mindanao. ins large species was a bundant at Pania, intanao, in August and Schlewber, 1903. Deveral were shot and eaten on the : in, abour Compostella, agusan Rever Valling Many of these oplended red-billed Hornbills ware seen is locking mean the military was from Walabang to Camp Vicare, Mach 31, 1904; cafeecially numerous near Mataling the Noted from Caref Vicare to Souir, on Lake Lauro, Mendanas, Cepril 2, 1905 Souir, on Lake Lanco, and in the Taraca Villey at Rogayan, africe 3, 1904! Moted at Huahulama's cotta, Taraca Valley, april 7, 1904. Hoeks trooped past us us we rode from Camp Vrears to Waldburg, afril 11, 1904. Noted near Marahui, Mindanao, September 27, 1903. Abundant along the wagon-road, from Count, Vicais to Malabang, September 29, 1903. Abundant at Bulding, Mindano, Oct. 1 and 2, 1903. Noted at Davao, southern Mindanao, July 15 to 20, 1904. Wie Ala ripher Librungan River, east of Costabata, March 12,1904, I saw clinging to a big dead tree mi the attitude of a Woodperker. It was feeding its mate whose bill could be seen in the opening: "One seek deeding its mate in a large, wellow, dead tree, where it had the appearance of a huge Woodpecker." Libringan Ruigs to Scranaya, March 13,

( Shect II.) ( ranger thinux lesecop halus (Vicillet). (Chundant on the Borrer River, a britary of the Agusan River, carlern Ulindanao. Oue mas shot large flocks at Tingali, on the lower Bacoca may 45 Many flocks on the Cogusan Rurs, from Pilar to Maleva, May 6, 1904 Valiva "Satrocino, " 7 Abundant, in large flocks, on the agusan Niver from Take Linao to Valoeogon, Mindanas Julai, 9, 1; (Abundant from Talacogon to the mouth of the Libang River, Mindanas , May 10, 1904. Duling, east shore of the Duly of Davao, routhern Ulindanao, June 12, 1904. Davao, southern Mindanao, June 13, 190.

(Shect I.) anericanus (7, L. Müller) 212. Merops Secolor Boddaert. Chestnut - and - green Bee- Eater. One was shot and many seen, on a river at Mucas, on Dindangan Bay, worthern Mundanas, Frebruary 16, 1904. "I locks of these bountiful Bee- Caters were seen from "I I have to I lataling Falls, Mendonno, March 31, 1904. Celove Whataling Hum Camp Vicar to Sour on L. Land, none were peen april 2, 1904. No Merofs was noted in Lake Lamo Basin, april 1 to 10, 1904 Not noted, returning from Camp Viene to Malabang, april 11, 1904 Large mumbers of this exquisitely brankful and praceful brid frequented the larget range at Malabang, southern Mendanao, October 7 to 9, 1903.
The commoner species, & Meropo was not matici. Aloeks of these Bee- Eaters occupied groves of trees braring linear jointed leaves along The Vicars-Malabana wagon-road, DE twen Mataling Falls and Camp Seven, Cotto, 1903 Among Mousands of Bee-Ealers seen on Lake Lignasan, Minidanao, in May, 1904, there were more of this oferces. flocks seen at Davas, southern Mindanas, July 15 to 20, 1904 One was shot at San Kamon Farm ( Doverment Experimental Harm), Sambanga District, March 23, 1906.

(Sheet II.) Merops americanus P. L. Müller. Tehestnut-and-green Dee-Cater. Hlocks were frequently seen at the larget range, 4 miles from Lamboanga, Jan. to april 9,1906. On the last date 3 were ohot, the I with developing eggs Breeding at ayala, Mindanao, S. J., april 24, 1906. An pairs, a female shot contained an egg. Un oboresofs (I few were were on the Tubery River and on Jake Mainit, in mortheastern Mindanao, Offil 22-24, 1904. Compostela to Pilar, agus an River, Mendanas, May 57,1964-Many flocks, Vilar to Jaleva, on agusan River, May 6, 1904. " Jativa la Salrocino, Delevern Satrocino and Varicella, on the agusan River, many large colonies were found breeding in the river bank, May 7, 1904. Mary were seen insuring from the bleet hanks of the Clausanther, from & Talaco gon to Tibring Ruri, Mindausor, May 10, 1904. Agusan Pewer below Butuan, Mindanao, May 11/164. One floor noted at Augillian, Luzon, Hand 20, 1907. Vilitoto Springs, near Dibi, south castern Juzou, June 3, 190%. Bieze of Mount Mayon, Tabaco side, Chay Province Lazon, June 2, 19 in Naujan to the day: Abundant on the trail from Naujan River the same day: Naujan Piver, Mindoro, March 25, 1907; also on the

(Sheet III.) Merofs americanus P. L. Müller. Specimens taken, in Mindoro, at: Camp Tro. 3, alti= =tude 2250 feet, Nov. 10; Subaan, Die. 5. Very abundant at Burengo, on the Cealubing River, north Damar, October 1,1906, when I shot two. abundant on the lower Catel River, east Mindanao, October 5, 1906. abundant at Malabang, southern Mindanao, March 15, 1906. Ayala, western Mindanao, August 27, 1906.

4.

4

136

(Sheet I.)

213. Meropa philippinus Linn aeus. Philippine Islands Bee- Eater Wing in Bec-Cater; Blue-tailed Bu-Cater. Per-lee-Kah' (Moros of the Rio Grande de Mindanao). Ing abundant at Paular and Marahini, in duy, & Soit, 1900 Noted at Jamboanga, Mindanao, P. D., October 10-16, 1903. Very abundant on the Rio Grande, Mindanas, Oct. 19, 1903. They circled gracefully about our launch, somewhat in the manner of Swallows. There were Thousands of Men! Noted botween Malaling Foods and Camp Vicars, Mines? Noted at Davao, southern Mindanao, October 24, 1903. When crossing the Island of Sula from Panglina Hassan's to Olfra's place, November 14, 1903, Bee-Eaters were numerous; less so along the trail from Upa's colla to Ceraler Mountain. Common at Yolo, Dulu, November 21-26, 1903. Common at Zamboanga, Unidanar, December 2, 1903. Noted at Buluan, on the mainland of southern Mindanao, January 31,1904 Leen on the Ceabasaran Perver, southern Mindanao Noted at Dipulog, northern Mindanao, February 14. 1904. " " dubungan, flocks at evening. When Mindanas, Tubuary 17, 1904.

Philippine Bee-Eater; Blue 3 Diled Bee-eater. (Shee + II.) 213. Microps philippinus Finnaeus. Noted near Bual (Dalto Upa's market), Delu. Island, P. J., Hebruary 21, 1904, Voled at Cottabato, Rio Drande Vaily, routhern, Undanno, Unch 3-5, 1904. " Mudarangan, " " " (6, ". 6, ". 6, ". 6). ". (6, ". 6). ". (6, ". 6). ". (6). ". (6). ". (6). ". (7). ". (6). ". (6). ". (7). ". (7). ". (7). ". (7). ". (7). ". (7). ". (8). On the Mainbang-Vicars wagon-road this opicies replaces Morops americanus above Malaling Halls. No Merops was seen in Lake Lunao, from Camp Viears to Sour - possibly has gone to its brieding-places on the rivers. Not noted in Latte Lando Basin aprilito 10,1904, nor between Camp Vicars and Malabang, april 11, 1904. Noted at Italiella, Island of Basilan, January 19, 1904. Deen in members, on telegraph wire from Gantar to Marahui, Mindanao, September 27, 1903. Bee-Enters, supposed to be this species, were noted beturn Cauch Vicais and Mataling Halls, Deptember 29, 1903. Lake Leguasan, Mindanao. - May 17, 1904: "Merofs philippinus is continually passing our little strambout" May 18: There was one flock of several hundred weerafs philippinus. M. americames is not here, at least at this season. A small tree, the only one at the place, was simply loaded with Dee- Eaters. Others were awing, or settled amongst the rank eogon grass beside the outlet of Lake Liguasan into the Rio Grande. They twit

(Sheet III). Merops philippinus Linnaeus. Philippine Bee-Eater; Blue-tailed Bee-Eater ter, more harshly, but like a flock of Swallows. May 19: Bel-Eaters are very abundant on Lake Leguasan." Noted on the Buluan River, connecting lakes Beluan and Ligiasan, Windanao, Visa, 20, 1764, also on Lake Buluan, May 22. Olso noted on the trail from Buluar to Simpitan and at the latter place May 23 to 26, 1904 It was again noted in abundance when descending the Buluan River, from Buluan to Lake Liginasan, May 27, 1964. One large flock was seen on the river; and an enormous colony was found breeding in the buff bank of the outlet of Lake Liginasan, close to the Rid Francic Very prumerous on the Rio Grande from Lake Liquasan to the revirmonth, May 28+29, 1904 O Daw Bee-Eaters at Surgas, northeastern Mindanas, and 21, Many were seen in the cogonal extending from The Revanaya Murch to Labas on Ale Libergan River, cast of Cotabato, southern Mindanas, March 12+13; 1901. Grangs to Barak, Rio X Trande Valley, Mudanas, March 7-11, 1904 In Stock: doesn to the mouth of Mu Rio Grande, same date.

( ( Sheet IV.) Morops philippinus Linnaeus. Many were seen, most of them on telegoph wares, along An Marila and Dagupan Railroad, beliver Mainla and Comp Dregg, July 29 and 30, 1905. Camp Dregg, Pangasanan, Luzon, July 29 and 30, 1905. Camp Atotsenburg, Luzon, 200-28,1905 (Sozorrubeo Jangasenan Grovince, Luzon, Nov. 30, 1905. Camp Jossman, Soland of Dumaras, Diem in ?. Home Currinian to Lang Horastorte, Lenon January; 4, 1907.

Du hairs near the Lang Hiver, below Lang, Jan 16, 1904. Lucaglo Dingras, Flores Morte Luzon, Januari, 5,17 Hear alreums, from Dingraz to Padson, Floors Work Fromines Leizon, January !!!!! Common From Dingras to Large, Horostorte, Luzon, January 18, 1907. Lucagelive Valley below. Loog, do Jan. 20-22, 1907.
"I to Vintar Lake, do " 23-24." ( Abundant on Japay Lake and at sousral places believen Paray Lake and Larg, Flores Norte Province, January 27, 1907. abundant from Large to Varang Lake, and Defecially so about Am lake, February 5, 190 Lavaglo Maghartian Flocos Norte Province Luzon, Febr. 15, 190% Burdett Manganese Mine, extreme nov. fout of Lugon, Het v. 19, 1907. Naghartian, Hoeoshorte, Luzon, Hebr. 15 to March 9, 1907.

Miro po philippinus Linnaeus.

Vingela de mante interes, le againe placent en 2, 1906. Some une seen at our camp on the nagillian Mois above the town of Magillian, that 19 and 20, 1904. Isabella, Basilan Osland, January 26 and 27, 1906. Camp Wo. 1 to Camp Wo. 2, Basilan Island, January 28,19 Camp No. 2 to Comp No. 3, Basilan Valand, January 29, 12 Camp No. 3 to Campe No. 4, northwest Basilan , January 30,170 Abundant from Camp No. 4 to Camp No. 5. Basilan Island, January 31, 1906. This Vipo to Camp No. 8, interior of Baselan Island, February 3, 17 10 Campo No. 8 loxa Mitan, north Basilan, February: -, 1910; Camp No! 3 to Camp No. 4, Basilan Veland, Heb. 16, 1900 Buli Buli River to Ceamp No. 5, south Basilan, Feb. 17,1906. Campo No. 5 to Camp No. 6, south Basilan, Hibruary 18, 1901. Malusa, west Mindoro, February 19, 1906. Camp No. 7 to Camp No. 8, west Basilan, Feb. 19, 1906. Camp No. 8 to Camp. No. 91 Musser's 1, north Basilan, Feb. 21, 1906 Musser's plantation, near Sabella, Basilan, Feb. 24, 1905 Dulu Island, from Holo to Bud d'ajo Leak, Oct. 11, 1906 Lamboanga, Mindanao, January 12, 1906. During the first were of March, 1906, a great floor confiored of hundreds of ber-eaters assembled at sambounga, and made a great outery as there eireled over the post before going to roost is locks aug. 31,

(Sheet VI.) Merofia philippinus Linnaeus. Common où Dulu Island, from Jolo lo Bud Dajo, Maine = -bún, Corale Lake, me Diet Lake, March 1 and 2, 1906. Parang Sarang, ponthern Mindanao, March 14, 1906. Lower Rio Frande, southern Mindanar, March 15, 1906. Cary, Connectl, west coast of Samuer Island, September 5, 1906. Luite numerous in the Mariquina Vulley, Rigal Province, Legon, Deptember 17,1906.

Tyncornis mindanensis Iwerddale. Mindanao Eared Nightjar. a bird supposed to be this species was seen mean Camp Marahui, Mindanao, at the attitude of about 2400 feet, September 27, 1903. Il large Whippoorwill with white-banded wrings, And darkly colored" was seen on Mount Cerrold (Carazao Pasa); Hague, east of the divide over the mountaining between Boldwing and Lake Butiq, southern Min-=danao, October 4 1903 One was seen near Jamboanga, april 9,1906. Leen on the Libringan Kriver, east of Cortabato, March 12,1904. Abundant at camps nos. 2 and 3, Basilan Id., Jan. 28 and 29,1906. Specimen 13926 9 ad was shot at Camp No. ? At Camp No. 3, Basiland Jahand January 30, 1900. Heard during the night of February 14-15, 1906, at Count We. 2, interior of Basilan Island. Campe Na. 3 to Campe No. 4, Basilan Island, Fict. 16, 1906. Tumahobang River, worth Basilan, Feb. 16, 19:11. (Buli Buli River, south Basilan, Febr. 16 and 17, 1906. Cump No. 5, south Basilan, Feb. 17 and 18, 1906. Camp No. 5 to Camp No. 6, south Baxilan, February 18, 1906. Heurd ut Margosatubig, southern Mundana, March 13,1906.

(Sheet I.) affinis mindanovsis ?! 214 Caprimulgus manillensis II. K. Fray. Manila Fontsuchen Mintered Minter. Lake Mainit, morthern Mindanao, april 24, 1904 Seen on the Libringan Kiver gast of Coolabato, March 12,1904. Hiere was a great flight of Miese Footswellers on the loft bank at the mouth of the Walaluig River, at Malabary, southern Mudanao, P. J., Celaber 18, 1903. The birds acted like Whip poorwills, flying up with a startled note and quierly dropping down among Ahr shrubbery. One or two Toatoucsers, seen near the summit of MA arnold Hagire, between Parang and Jake Builing, Mindanar, October, 1903, appeared to be slightly larger and considerably darker Mian Those Lecured at Malabang, They were Alushed from waterworn gulleys in tall organi grass. This species, or one closely resembling it, was noted on Mr. Sulieman, Sulue sland, November 19, 1903. Kowing down the last Rix miles of the Ceabasaran River of southern Mindanao, January 31, 1904, two "larged solesnekers"
write seen latetinia maeets over the water.

Offordsneller, probable, This spices, was seen mean Mar=
- ahii, Mindanao, September 27, 1904.

## Caprimulgus grustatus Wald.

In January and February, 1907, in some bushy hills north of Lavag, in flores North ormer, Luzon, I saw a munitar of brids of this of coice 2. They usually flew up from open opaces between the bushes and darted over the ridge so quickly That it was difficult to shoot them. It uttered a hollow note on taking wing, and sometimes alighted on branches near the ground strong he was alighted on dereity upon the ground shough was alighted on Base of Mount Mayon, on the Legasfie side, Albay Progrince, Luzon, March 28, 1907.

Left in the Bureau of Deienes: Specimen No. 14707

(Sheet II.) Caprimulgus affinis mindaneusis Mearus Midanao Nightjar. Vightjars were heard at Coalatagan, on the upper Catel Run, eastern Mindanas, May 2-3, 1900 May 5, 1904. - Below Compostela, a short distance, the agusan River, Uludanso, was abstructed by a transversely fallen true whose roots had been underwined bey the river during. The straight brunk of their fallen monarch of the woods measured 6 feet in deameter and 120 feet from the roots to the branches. Root and branch the tree must have slood at about 240 feet. We were obleged to disembark from our barotas, in order to pass this obstruction; and, in going around, I collected 2 eggs of this goalside from the sand, among the branches of this fallen tice. Eggs preserved! Numerous on the sandy shores of the mouth of the Malaling Kiver, southern Mindanso, & March 15,1906; Ands shelter under bushes. At the mouth of the Mat-Daling Kwin, man Malabang, southern Mindanao, Morch 15, 1906, I saw many Mindanao hightjars, and collected a young of the year, nearly fully feathered. Iwo eggs were found, at different places, on the soft, dry sand at the rivermouth. One was

(Sheet III.) Cafrinulgus offinis mindamensis Mearns. fresh, the other state and partly dessicated. They are practically alike, and measure: 31 by 21 and 29 by 22 millimeters. Whape slightly elliptical conte, Fround color creamy white; sincared and blotched, spar= = ingly at the small and and thickly at the great end, with drab-gray and faint clay color.

140 (Shect I.) major Hartert.) 226. Maerspleryx comata (Semminess). ; Tufted Tree-Swift. Long-gom (Filipinos (Viscayans) of Baganga, Mindanao). Noted at Baganga, lastern Mindauro, J. D., Celober 2, 2, 1903. Deores of the exquisitely brantiful little brids were feeding, loward's evening, in the shade of an enormous, partially decayed tree man the brack. Individuals would tire of flight and alight on dry turgs of the old tree for long rests. Common on the wagon-road between Walabang and Mataling Falls, November March 31,1904: returning April 11, many were seen perched on telephone wires and dry twigs of trees. In Ited Tree- Swifts were frequently seem on lelegraph wire in the forest between the Mataling Halls and Walabang, Mindanao, October 6, 1903. Orwin, (lde's plantation to the Castern Mindanao, (Chril 27, 1904 Of Fried Wiver carryon above him Peaks, Luzon, 200. 1, 1905. Comp Joseman, Duinara 2, December 24,1965 Cal floor between win falls and Colgans, Lugar Dec. 24, 1906. Thequently alighed on trees.

(Sheet.II.) Macropteryx major Hartest. Mear Dabella, Basilan Toland, January 26,19. Near Camp No. 2, west of Isabella, Basilan Id., Gamme 2011 Leonmon at Burengo, Calubig River, north Damar, Oct. 1, 1906. Hock around a tall dry-topped tree on the ocean brach, many alighting on the dry twigs like wood-swallows, at Manay, east Mindanao, October 6,1906 Abundant at (Panghang, on Dumangiulas Bay, southern Mindanao, Quynot 17, 1901.

On folser is growt to describe this as new 141 (Sheet I.) Whitehead's Swiftlet. ? Collocalca whiteheadi Colois Amit. The "larger dusky Swift" was noted on Pangapuyan Island of Mindanao 12 miles lost of Jamboanga, Feb. 2, 1904 Two opicies of all dark Swifts, large and smal were abundant on the Cabasaran River, southern Mind, Jan. 30, 1904 The "larger dusky Dwift" was very abundant on the last six miles of the Ceobasaran Kior, southern Mindanao, January 31, 1904. Larger dusky Dwifts" were numerous at Bligan, northern Mindanao, February 15, 1904. "L'heater Swifts" [ Than Collocalen Juciphaga ] were Deen beluren Gantar and Marahui, Mindanao, Sept. 27,190 ; also bestween leauf Vrear 2 and Mataling Falls, Sept. 29,1900. Long tailed, dusky Swifts were noted at the Malala and Mumbowata rivers, on the trail from Buluan to Simpitan (near Lake Buluan), Mindanao, Man, 23 and 24, 1904; The "larger dusky Durft", noted in my journal of April 20, 1904, at Placer, northeastern Mindanao, meny have been this species. Plangs to Barak, Rio Y vande Valley, Mindanao, March 7-11, 1904; mai Piangs, same date

(Sheet IT) Collocalia whiteheadi (Mindanao form; per Oberhelec:). Laste Mainit and the Subay River, northern Mindanso, Opril 22-24,1904. During the glorm of April 23,1904, one of the severest in the history of Unidanao, unwerse numbers of this species, and doubtless others of the genus, as well as Jachornis, sought the shelter of the carryon of the Tubay River, and flow low over the water. Baganga to Christian adis benefi plantation, Tmiles west of Baganga, Carleru Mindanas, (thril) 6,1964 Olde's plantation to the River, eastern Mindanao, Opril 27,17.4 (Abundant on the upper agusan River at Compostela, in the interior of Mindanao, May 5, 1904, (Igusan Kirr from Pilar to Jaliva, Mindanas, May 6, 1904. Odued Wires Canyon, above Twin Peaks, Dec. 1, 1905. Baguio, Benguet Province, Luzon, Dec 1 \$ 12, 1905. Frinidad, " " " 3," Hendreds flew about the peak of Mount Santo Tomas, Benguet Province, Luzon, December 10,1905. Meade Road, Denguet Province, Leizon, Dic. 13,1905 Dugues to Padam, Leoros Norte, Luzon, January 17, 195

(Sheet ILL.) Collocalia whitcheadi Dee-Jung-oh, Igoroles of Benguet. Dingras to Laray, Moros Noite Grovince, Luzon, January 18,190% Large floor high in air in Laray River Valley Velow Lavage 17. ... Lavag Valley, below Lavag flows North Leizon, January 20-22 1953 Many flying above a pidge belive an Lavag and Vintar, 4, b. 7,1907. Lavag to Magharlian, abundant; Hocos Morte, Luzon, Filbr. 15, 1907. abundant at Magharlian, do Feb. 15-March 9, 1907. " Hair, 1/2-in-the-out 2, Dougnost for rice, Lie - 3 on, from July 20 to august 3, 1907. ( alue A ileony) Alexhing about Haight's incaciour that be calls " the (1) laga", where whot 4 in 3 shots. It swalleres ann prisingly large My in inscel. Thunders were seen in an grassy opening at the foot of Paulo somes Pear, Benouch, Just, at in wil in le 01. (5250 feet, January 1,1707. On the trail from Bagino lo San her nande, it was very abundant about the divide near Boguite and Cuseguran east coast of Jugon, June 1. 1907 Baler, east coast of Luzon Plane 2. 190 PiliHot Aprings, near Tibi, south eastern Luzon, June 3. 90 Base of Mount Mayon, Tobaco side, albay Trovince, Luzon, June 4 and 5, 2000

## Ceollocalia whiteheadi Grant Collocalia whiteheadi Livant, Abis, 1895, p. 459. Oberholser (Proc. acad. nat. Sci, Philadelphia, 1896, p. gives the following: "Deographical distribution. - Islands! of Luzon and Valawan, Philippine Islands." No swifts were acenon Palmas Island when I landed on January 21,1906; but a small flock was flying about the top of the highest hell on October 7, 1906, when I collected a spienen: No. 14394, Ead., (Palmas Toland, October 7.1906. This Deampared with a peries of Collocalia whileheadi from Benguet Province, Luzon, and Sound seasedy, any difference. "The Swift (No. 14394) from Palmas Island is a trifle dark but, otherwise, Uleke a large series from Luzon, labelled Collocalia

whiteheadi by Me Gregor.

Collocalia unicolor amelis Collocalia umeolor amelis " , Proc. acad. not. Lei, Philadelphia, 1896; fr. 194. Type locality - Irisan, Benguet, May 19, 190 Mr. Oberholser says: "Aside from the above [localities], Collocalia W. amelis is not at present certainly Known except from the Island of Sheam, where taken by Dr. E. a. Mearns, July 20, 1905, and from the Philippine archipelago, where it has were obtained on the Islands of Luzon, Verde, Cagayancillo, Dibuyan, Panay, Mindoro, Mindanao, and Salawan. In lable of measurements Oberholser mentions a specimen from "Mindanao, P. I., Nov. 28, 1887."

Collocalia francica germani Oustalet abundant on Compo Island, Dulu Dea, September 10, 1906. Inder Collocalia francica germani Oustalet Vage 201 of Abriholser monograph of the genus Collocalia) Mr. Ober-= holser says (Proc. acad. nat. Sei, Philadelphia, 1896, p. 202): (I series of birds from Frong, Lower Liam, another from the Mulippine archipelago seem to be identical, and logether are certainly all referable to this race, although a few of those from Cagayan Dulu, in the southwestern Philippines, are more blockish above and show in this, but not in size, some vergence toward Collocalea franciea terraereginal. There are examples in the United States National Museum from the following of the Thelippines: Panay; Cagayan Dulu; and Cagayancello, in the Cagayanes group. It has also been recorded a Collocalia francica from Cuyo, Negrosand Calami = = anes. all Thilippine secords of both francica and inexpectata refer of course to germani." (Oberholses.) a swift, apparently this species, was very abundant at Dandakan, Borneo, October 14,1906, when I also noted a larger species of swift. On Cagayan Dulu Island, Cetober 15, 1906, many were flying around the house of the Collector of Customs in company with Hirundo Javanica. Specimen No. 14436 was collected.

(i oliocnica franciea mix notata (Hume). (Endaman Oblands x wiftlet On Cagayan Sulu, and island in the Sulu Sea, fieb= = ruary 25, 1904, I noted: "Hundreds of pale-Throaled Swifts darted around and over the highest cliffs." Later they were found in abundance about a small freshwater found in a grassy crater-basin. Many seen and four what, February 26. Colors light on Musat and rump, Very abundant, Specimens Nos. 13377 to 80.

? Collocalia

The Divista found in caves near the summit and avoing at the summit of Mount apo, Mindanas, were different from the two species collected lower down on the mountain.

Collocalia Juciphaga Juciphaga (Shumberg). a swift similar to this, and larger than the Dwiftleto, was found on the divide of the Holeon ridge and nearly up to the summent of Halcon Veak, perhaps up to 8800 or 8900 feet. a few were noted as Collecalia fuerplaga at Camp no. 3, alletede 2250 feet, Met. Haleon, Midoro, Nov. 28 to 30, 1906. Specimens taken, in Mindoro, at: 14458 Buena Vista Hill, Camp no., altitude feet, nov. 5; no. 14465, Camp Uo. 3, attitude 2250 feet, hov. 10. 1906. Collocalia No. 13961, Rollieled Orturan Carup no. 5 and Camp No. 6, south Basilan, February 18, 1906, when The species was abundant, flying over cultivated fillds on a low hilltop: Abundant at Manay, east Mindanao, Oct. 6, 1906, when Dr. Paul C. Fireer shot No. 14381, Fad. Collocalia Juciphaga, East Bolod Island, Duler Dea, January 10, 1906; also West Bolod Island, Quela Dea, January 10, 1906. Lower Kin Grande, southern Mindanao, March 15,1906. Conjordsland, Dulu Dea, Deplember 10, 1906. Tagulaya, west shore of Davao Gulf, S. Mindanao, June 14, 1904 Taliend Island, Mulf of Davao, off southern Mindanao, July 17, 1904.

Collocalia marginata and other Swiftlets. Specimens taken, in Uluidovo, at: No. 14455, Camp No. 1, Benisi River, Nov. 4; Dark-rumped form: artifolo, Prizal Province, Luzon, Deftember 21, 1906. noted as "Least Swift" at Tagulaya, west shore of Davao Gulf, southern Mindanao, June 14, 1904, when it was abundant. Todaya, 4000 feet, Wet Copo, Windanao, June 17,1904 At the function of the Soo-boo alm and Sal-ooh-soo-buhn rurrs, altitude 2025 feet, many were seen. The Bagobos said Their nests are in the cliffs and their eggs white.

Collocalia origensis Oberholser. (Sheet I.) Kal-ahn-tee-pahk, Bagobos of Todaya, mount apo, Mindanao. Colocalia originsis Oberholder, Proc. acad. Mat. Dei., (Philadelphia, 1896, p. 191. Based on 4 adults and one nestling, collected on Mount Copo, Mindanao, at 4000 feet altitude, ley Edgar a. Mearns, July 4, 1904 Woled as te. whiteheadi at Davav, Mindanav, Jan. 22, 1906. The large, dusky swift, earled bal -ahn-tee - packby the Bagobox, was said to build on eliffs. Hour adults wer brought in to me at Camp Goodfellow, which the Bagos said were taken from a hollow tree.

Collocalia troglodytes Gray. Many at Nagfartiais locos norte, Lugon Heb. 20-23,1907 Dead. nat Sei., Philadelphia, 1896, Mr. Obeholser gras: "Leographical distribution. Philippine Islands." (Mundant at Burengo, Coalubig River, north Samar, Oct. 1, 1906. Abundant ate Lanang, east Damar, October 3, 1906. Vingen dant on Bucas Quiand, of no thiast Whine =dinao, Weleter 4, 1906, when Deolleled Tros. 14356-8.

(Sheet I.) Cevllocalia marginata Solvadoni Oberholser guirs the following:
"Type locality. - Cebu Island, Philippine Islands. "Deographic distribution. - (Philippine Islands." "The to the present time it has been ascertained to occur on the following islands: Cebu, Maskate, Zuzon (Me Grayor), Mindoro, Cealayon, and Sibuyan."

(Sheet I.) Collocalia Jowi (Sharpe). Type locality. - Labuan Island, northern Bornes. This, probably, is the openies I saw at Sandakan, Borneo. Oberholser gives Palawan Island in its. Aistribution, but no other Philippine Island. It is also, the spices seen with be linchi insonata on Manuk Manka Island, January 6, 1906.

Ceollocalia linchi isonata Oberholaer.

Type locality. - Insan, Benguet, Luzon, P. D. "This form of Collocalia hinchi appears to be confined to the Philippine Archepilago, and has leven taken on only Luzon, Mindoro, Mindanao, and Bongao. and Bongao. Abundant on Manus Marka Island, off Town Town Toland, Manuary 6, 1906. Sibritulown, west coast of Dibutu Do land, January 7, 1906. Nos. 13678, 13725, 13726, and 13727, taken at Lodaya, 4000 feet allitude on Mount apo, Mindanao, in July, 1904, were called Gong-pong and also Dedd-dett by the Bagobos. The Divigt which the Bagobos ealled Kahl-lee-bohs-bos is probably the species that

I found in caves mear the summit of Mount apo, and which I was mable to collect, although some were shot which fell over a cliff.

Sheet I.) Callocalia India fuci huga (in 1819). 11 = 1 1 = 21hr Duritt, Panton, Tuerenches, etc. Ir dia l'éscule et Broiftlet, l'étible - mest Buisellet. in promudant at Pantar, Tilludarao, in Oug. + Sett., 1203. No Swift was seen in Sulu Island, Nov. 12-26, 1903. Small Devist like Cohactura pelagica" moted at Zamboanga, Muidanao, P. D., October 10-16, 1903. ["Edible birds' nests are made by an Swift of the Jenus Callocalia." (Handbook of British north Borneo. Ed. 1890) Colonel Van Orsdale informed me that Swifts of some Kind brand in Ecever at Cottabato, On October 19, 1903, when I steamed from Cochabato up to Lake Liginason, no Dwifts were seen. Jamboanga, Dec. 7, 1903. No Swift was seen in Sulu; leut, in similar country, and especially about nice paddies, at Zamboanga great numbers an seen gathering insects that arise from the rice towards evening. "Swifts" were seen flynig around San Sofia, a Spanish fort at Margossatubig, on Dumanquilas Bay, southern Mindanav, January \$9.1904. and the Cabasaran River "Small, dark Scirifto" were noted at Bung Bung, r routhern Mindanav, P. 2., January 30, 1904.

Problem Escurent Swiftlet; Edible - neet Swift ... Carlocalia mois iga ( .... hara. " Small, dusky Swift." Noted at Dipulog, northern Mindanao, J. J., Flebruary 14, 1904. Hoted at Santa Maria, northern Meridanao, February 17, 1904. Diviste of some Kind were noted by Caplain Fi. R., The Cong, in the Olip River Valley, in May, 1904. Dusky Dwifts" perse noted at Cottabato, in the Kio Wrande Valle, of southern Mindanas, P. J., March 3 to 5, 1904. Poted along the proport pood for - hisiation of touch Viena, Milidana, H. A. Horek 31.190 Vicare, Which, ign Holed from Camp Vicars to Souir, on Lot Lanas, Ca ri 1, 1904; Co few porce seen in the Tanaca Valley between Dalauan and Basayan, and some were again noted at Vaiir, on Lake Lanas, Ofin Ganding noted besturen leaving thears and Malabany, Mintanco, Citi Noted from Pantar to Marahin, Mindanao, September 27, 1903. abundant at Malabang, southern Mindanas, Oct. ;-9, 11.5. Abundant at Marila, P. D., during the first work of Deplember, 1905. May 20, 1904, on the Buluan River, connecting lakes Buluan and Liguasan, O "saw a few Edible-nest Swifts" Of the Malala River, on the trail from Buluan to Simpitan, Mindanao, May 23, 1904, many were seen at evening; also seen at the Jame place, when returning,

(Shurth) Collocalia Suciphaga (Thumberg). Inhan Exculent Swittlet; Eleble - mest Devillet. at Marrila, Jugon, P.J., Cougust 17 to 21,1904, a nother earge, long-tailed, flustry ylur it was seen in free 12 . . . in hack and city. Not large snough to be to whiteheadi noted at Camp Viears, Windanao (alletude about 2900 feet) Deplember 28 and 29, 1903. Noted at Cararao Pass, at the ocenemit of the mountains baturan Jurang and Latie Bulig, Mindanao, Cotober 4, 1913. Noted at Placer, northeastern Mindanao, april 20, 1904. and Men Malate Suburb of Manifer Schlenber 17, 1905.
When ascending the Tuban River, Opril 22, 1904, "many." Noted at Davao southern Mendanco, July 15 to 20, 1904. "Exceedingly numerous" on the Lubay Kwar, northern Mindanao, April 22, 1904. Abundant at Zamboanga, Mindanao, March 27, 1906. Obrindant on the River, near the Subano Villagi, April 2, 1906. Clyala, Mindanao, P. D., april 24, 1906. (Abundant at Panlar, Mindanao, aug. + Sept., 1403. Plangs to Barak Riv France Valley, Ul indunas March 7-11, 1904; prear Pranys, same date. La oag Valley below La oag, Hoeoz Noile Sommice, Jan. 20-22, 190; Pali Hotestangs, man Sibi, routher sturn Suzon, June 3, 190;

- Collocalia fucifhaga fucifhaga (Thumberg). Oberholser says (Proc. Ocad. not. Dei., Philadelphia, 1896, pp. 185-187):-Type locality. - Java." Esingle specimen from Gram Island is, however, much more brownish above than any of the others examined and may represent an undescribed race." ( Berholses.) In tabulated measurements, p. 187, specimens from Mercedes, Mindanao, Dic. 19, 1903 and Vantar Mindanao, aug. 13, 1903, are mentioned. There, doubtless, were collected by me. Subaan to Benibi River, eastern Mendoro, Nov. 2, 1906. Hlights occurred on the alag River, Mendoro, nov. 5-8,1906. Dee no. 14458 for identification. Constantly flying about Camp No. 3, on Mangyan cleaning on ridge at 2250 feet allilude Nov. 8-12, 1906 1 Setwern Campo no. 2 and 3, north of Ult. Halcon, Mundorof November 8,1906. Abundant in Mangyan clearing, ultitude 3000 to 3300 feet, on a spur of Mount Haleon, Window, Nov. 12 and 13, 1906. (See specimens 14458 for identification.) Haldon, mindoro, november 13-12, 1906.

Orther is as asout to descript this as men (Short I.) Conchi Horsfield and Moore. Collocalia marginata Dalvadori. Lynchi Swiftlet. Several were seen at the Yovernment Experimental Harm at Dan Kamon, Zamboanga District, Mindanas, March 23, 1906 Seen at Pantar; hills near of ambounger; Baganga and Cocteel rivers; mosth shore of Mindanao, ele. Specinien (No. 13 ) taken at Todaya, at letide 4000 feet, let. apo, Mindanao, P. J. Flocks of "small wood Swifts" were noted in the foot-- hills back of Gambounga, Miridanao, P. J., October 10-16, 1903. Numerous, circling above and among the cocoanut trees at Dipulog, northern Uludanao, Hebriary 14, 1904. Many were seen between Comp Vicars and Malabang, Upril 11, 1904. Moted between Camp Vicars and Mataling Halls, Mindans = ao, September 29, 1903. At the government corval, mai Malale Barracio, a auburb of Manila, I saw a small Direct having white on side of rump which man, have been this. Operies, august 21,1905. This was Noted at Durigao, northeastern Mindanas, april 20, 1904 When flying away from one, this Dwift shows a little white with Two Seen at Manula, September 26, 1905.

Collocalia linchi Horsefield and Moore.

Least Swallow Swift. River, near the Subano vil-Deen on the - Lage, Ofril 2, 1906. Zamboanga, April 9, 1906. One opicies of the Sinchi group was abundant at Paular, Mindanao (all. 1800 Lut) in aug. 4 Sept., 1903 Hrom (Ide 12 (Plantation was to the Prion, ræstern Mindanao, Capril 27, 1901. (Meril 28, 1904. - after marching all day we canefed on the Bagunga Kwen, where we saw Many living dusky Swiftlets coursing about.
Upril 29 and 30, 1904 - On the Bagange River
eastern Mindanus, were many small swiftets, with flowsy backs, showing a little white when flying ours! they were receally seen fletting over the stream. May 4, 1904 - Cebrundanit on the Jacaca River, eastern interior of Mindanao, May 4, 1904, when I moled: "it shows a little white when flying auray from on Langeran, northern Mindanno, May 13, 1904. Baliangao, on Murcialagos Boy, N. Illindanao, May 13, 1904 Bued Hiver Valley, Luzon, Nov. 30 and Doc. 1, 1905. abundant around Baquio, Benguet Province, Luzon, December 1-12, 1905. Trinidael, altitude 4500 feet, Benguet, Luzon, Dec. 3, 1905, when they came down over the rice fulds in great munters with Ceologalia whiteheadi, during a hard shower.

Ceollocalia marginata and other direttets. One species was abundant from narjan to Take Nanjan, eastern Mindoro, March 25, 1907. Moundant on the Benibi River, Mendoro, November 3-5,1906. Dec specimen no. 14455 for identification. Alug River, Mindoro, nov. 5-8, 1906; see Specimen. At Camp no. 3, Mangyan clearing, on ridge at 2250 feet altitude, north of Mount Haleon, mendoro Nov. 8-12, 1906, one of the Dwiftleto was often seen ( see speemens for identification). Between Clay Kiver (Camp no.2) and ridge at 2250 feet (Camp no. 3), Mendoro, Nov. 8, 1906. Abundant of a clearing or "caingin" of the Mangyanes, extending from 3000 to 3300 feet altitude, on a spur of Mount Halcon, Mindoro, Nov. 12 and 13, 1906. Specimen U.O. 14455 for identification.) Swiftlets often sen at leavy no. 5, attetute 4500 feet, on a spur of Met. Haleon, Ullindoro, Nov. 13-17, 1906; also thence to the summit of Mount Halcon, Tov. 17-26,1906 When Messers. Merrill and Hutchmson were on the main ridge of Mount Haleon, chopping a trail lowards The main peak of Haleon, on, nov. 19, 1906, they found the weather partially clear with occasional moments of sunshine; Then they husbed a "medium-sized swift" from the lie ather, where it seemed to have a nest, as it continually flow at them in great perturbation. I had the name experience 2 days later, but found no not

( Sheet III.) Collocalia linchi Group. Abundat on Mount Panto Tomas, Benguet Province, Augon, Decomber 9 and 10, 1905.

Mende Road Denguet Province, Luzon, Doc, 13, 17, 16

Bued River Ceanger, " " 1/3, "... Camp Joseman, Island of Junares, Decomous in 1900 6. lindli (No. 15419). Igorot name: Pel-ping-oh, They do not dietinguish Mis from Co. whiteheadi. (Vocasional in the outs and abundant in the ipines of northern benguet, Luzan, July 20 la August 03, 1902. Turin Blanz, Buld Rivir Congress, Luzon, Luculan 23, 1906. On the Benguet Wagon Road I found a few bolow Coolgans and in abundance on the Liggag above Coolgans Dec Swiftkets like allo. 14655 were abundant from Swin Seaks to the summit of Mount Dante Somas (allitude of feet), Benguet Province Luzon, December 24, to January 4, 19df. It utters a single low note. Grand on the Kagillan Frail, about Sublaan, Guyon, Ward, 19,1907 (Co. marginata and Co. linchi). Swittleto of some Kind were common at Pilitot Springs, near Ilbi, southeastern Luzon, June 3, 1900. Province, Leezon, June 4 and 5, 1902

161. 1 . (Sheet I.)

217, a. Chadura gigantea (Som minok). Leant Swift.

Mudanao, P. D., Handay Ishop 3 Charters fredin), 1903; a single bird. It passed close to me in open country I in ... it it was Chaetura celebrusis as I did not ..... In white shots. Con som between Dibi and Pili Hot Springs, coutles

· cartematuzon, June 3, 1900.

to him trong i ici na i resilaic. (Sweetz.) Chimana hopele - wind Swift in the Hold Single White - Commence inima incenia Guaridace, A. Z. S., 1878, 1. 140 (Zamboanga, W. Mindanao). Wice large flock at Partar, on tur day when some "

146-a (5/ 11) Midanences magnirostris Prot this with " General notes" Tiote on Two Specimene of Chactura cilebrusis (Delater). The United States National Winsemm has recently received the fourth and fifth schown seeming of the great Celebran Swifit from Dr. Daniel J. Becker, a lamber member member of Probable Basilan member of the Mileppine Serentific Association, who Dis engaged in hunbernig business, at Isabella, Basilan Island, P. J. Cut this out: In the British Museum Catalogue, Vol. XVI, 1892, page 476, Hartest states that "the only Known specimens are preserved in the Leyden Museum."]
This, one of the largest swifts know, was described by Schater (P. Z. S., 1865, p. 608) from two specimens from Manado at N. Celebra; after thirty years it was again recorded from the Ofhilippine island of Viegros by Un. W. Eagle Clarke; and, in March, 1895, at third Celebesian specimen was obtained by the I and F. Sarasin, from Tomohon. The two stee skins sent by Dr. Beebe had been well prepared by Senor Ramon de Tarracochea, of Basilan, and reached Il - russem

(Sheet III) in excellent condition. They are doubtless udult males, as then exceed in vige wing the Au measurements of Celebrain speamens; and both have two white spotos on the sides of the forshead. The Jenole Ligured in Meyer and Wigleaworth (Brids of the Celebrafil. XII) has There spots reddish brown. This species has the reffer tail-endounts greatly enter ged and with the accused shafts. The spining shafts of the rectrices do not extend so far bryond the wibs loss in cheture of america (Jimminek).

From the shine (Mos. 192474 - 5, 11. D. Malionial Musica)

I share taken the following measurements:

A sight, 25 240, 255; wring, 215, 215; tail, 75, 75; Will from frontal feathers (abord), 5.5, 9.6; Will from auterior border of nostril, 6.1, 7.1; lareus, 19, 20; middle for with its claw, 22.5, 22.5 Udults of rom Cellebes measure: total length, mary 129 mm, wring 203, tail 71, larsus 16.5. a specimen in the Sarasin Collection marked I juv. ' (but we canot see any signs of numaturity)," measures: "wing 208 mm, tail 63, laises 16, Chaelina Jonais Isham and Wickesworth of Chaelina Isham and Wickesworth of Surffing Surff Hore germen ex cerd the druins con of the Chaelan Swifts To Bardan Hegiproone Jevo Swifts Churcian Swifts Cohactura zonaris (Shaw) and El semicollaris (Saussure)slightly exceed the domensions of these Basilan specimens.

146-6 (Shut I.) Chaetura celebensis (Schater). Relebes Swift. M. Richard E. Mc Gregor, showed me of ecimens of this Swift, taken in the Philippine Islands, in the collection of birds belonging to the Bureau of Yournment Laboratories at Manila, in aliquet, 1905. This is the form he named Chactura dubia Me Gragor, of which of afterior, 12 pollected one she cimen on Mount Halcon, Mindoro. Compare This with. Atu shins of Charliera. Delebensis from Basilan Island, in the Wis maion a Men seme.

Chaetura dubia Me Gregor. (Sheet I.) (l' large flock, several hundreds, at the Mangyan clearing between the Benibi and alag Rivers, Mindoro, november 3,1906. At Camp no. 3, at Mangyan clearing on Sidge, 2250 feet altetude, north of Mont Haleon, Undoro Nov. 8-12, 1906, flights occurred near lirming when hundreds dasted past. Oridge Ortwan Campo No. 2 and To. 3, Mindoro, November 8, 1906. (Moundant between camps 4 and 5, sin a large clearing of the Mangyan tribe, extending from 3000 to 3300 feet altitude, on a spur of Wt. Halcon, Mundoro, Nov. 12 and 13, 1906. Some were of Mount Haleon, Mindow, Nov. 13-17,1906. One flew post Comp no. 6, altitude 6300 feet, Mount Halcon, Mendoro, Nov. 19, 1906. not seen on the summit of Haleon, as the weather was very wridy and rainy. Several shot on Buena Vista Hill, Camp To allitude feet, Nov. , 1906, could not be recovered. The only specimen secured was Two. 14466 Bad, Ceamp No. 3, altitude 2250 feet, Nov. 10, 1906.

Pretugen ardiner ( 2 miner). (Shu+1) 227. Harpacter adins (Somminest. Philippine Trogon. Sah-goo-soak (Moros of Lake Janas). Tee-too'-tee, Bagobos of Mount apo, Mindanao. Commonat Paritar, 1907 ft. alt., Mund., Mug. & Seit, 1908. filmy females last only one male seem. Sur a specimen from Zambourga in a Marica :... Specimen in Jesust Museum, Mainela, laber clock Lambounga, Mindanat. Padrella to Campe No. 1, interior of Basilan Island, Het. 13, 1966. One was found, February 15, 1906, cater in the trail letwern Countre No. 2 und Comp No. 3 (at Vifere Viper), in the citerier of Basilan Voland Count No. 8 lo Camp No. 9 (Mussers), north Basilan, Fick, 21,1906.
Noted, July 10,1904, at 5 2 75 feet on Mt. Opo trail, Mindanao

148 Kaa-uh-doo'-deen, Bagobos of Mount apo, Mindanso. Concales Care antis merulinus (d) entra: Rufous-bellied Plai. live Ouckoo. Jako Mainit, northern Mindanat, Chris 24, 1904 To aganga la Christian Cèders hemp plantation, 7 miles west of Baganga, gastern Mindauar- (Mil 26, 1904 From Code's plantation west to the River, eastern Mindanao, april 27, 1904 (Lynnin Hir, man Latic Linas, Mindanas, Mary, 1900) Twin Teaks, Buck River, Luzon, Nov. 30 and Dec. 1, 1905. Heard at dusk, near faragitaire, January 27,1904; the first noted by me in Mocos Horte Province, Luzon. Paray Lake, Hebruary 5, 1907. Heart riter dark, at Vier Plake, Burd Rier, Sugar, Lic. 23,1906. Head again, at Swin Scake, Luzon, in saly morn, & se. 24, 1806. Heard at Juri Plaka, Lec. 23 and 24, 1906, and Winner the summit of Mount Santo Domas, January 1, 1904. Feli Hoof forings, near Dehit, southeastern Lucen, June 3,190: Buse of Mount Mayon, Salaco sede up to the aspir timber line, alloy Procence, Luzar, June 4 and 5,19 a few heard and seen at leauf no. 7, alliterate 6300 feet, Mt. Haloon, Mindoro, Nov. 17-22,, 906; Wov. 26 th 28, 1906.

(Sheet II.) Cacomantis merulinus (Ocopoli). Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1906. Musser's plantation, near Isabella, Basilan, Feb. 22,1966. Heard, at evening, at Dandakan, Bornev, October 14,1906. Melville, Balabak Island, October 16, 1906. Five opecimens from Mount Malindang, Mindanao are all of the dark phase. Both light and dark birds are in the Bureau of Derence collection from the northern Whileppine Islands. Dulu Island, from Jolo to Maimbien, Bud Dajo, Crater Lake, and West Lake, March 1 and 2, 1906. Varang Jarang, southern Mindanao, March 14, 1906. Beside my camp on the summet of Mount Bliss a long-tailed Bird, supposed to be this openis built a nest in a treft of large leaves of the epiphytic Medicillus growing whom an oak-tree overlanging a stiet rawine and about 30 feet above the ground. The mest and eggs were preserved. The bird was to shy and so seldon. visited the nest that I never was ecrtain of the iden-= tification. The eggs were shaped his cuckoo eggs and colored list spolled eggs of thrustes. Outto day, I left the carme ( , 1906), but 2 cggs had begin laid. I think both were broken; but the nest is presenced.

Sheet 1.) Philipping Kirl. Ewos Pretas. Common at Samboanga, Jan. to april 9, 1906. Noted at Davao, couthern Mindanco, July 15 to 20, 1904 Moted between Malabang and County The ares, Mind, March 3/1, 116 There is a skin of one of these larger Conskoos arriving those which I forwarded for Mr.M. L. Hold. In a deep ravine behind the Moro village of Maliand heard brids for this species, whose note was Cuck'-00, cuck'-00. As evening these birds were crying loudly, at Dlan, southern Mindanao, October 26, 1903. Soon after leaving the Buluan Rur, on the trail to Simpitan, Mindanao, May 23, 1904, many of Mese birds were seen; and, in our camp on the Malala River, they were heard until bedline. They were also quite numerous on the Numbawata and Dim-my-gallce rivers, as well as at Simpeton. Descending the Buluan River, May 27, 1904, Awas noted between Buluan and Pandog. Noted at Surigao, NE. Mindanao, april 21, 1904 Malaripadd, of D. Mudanao, P. D., april 1, 1906.

149 (Sheet II.) 239. Endynamis mindanensis (Linnacus). Philippine Koel. Black Eucker Obon-obon is the Mandaga mance. Bajar (Bah Low ) is the More name at Bandonnga. Cu-our Willipinos of Bunbonga. October 26, 1903, Alland monther of there touckoos Cryping in the forest at & Hore, southern Mindouso-They began at sunset and continued until dark. (One shot, but not recovered, at Dupulog, northern Mindanav, O. J., February 14, 1904. At evening, March 12, 1904, Whis bird was crying Loudly in the Mickets bridering the Libergan River, last of Cotabato, southern Mindanas; also noted from the Literan River to Scranaya, Marches, 1904 Barak and Scranaya, in the Rio Grande Valley, Mindanao, March 8-12, 1904 Seriams of forming The strange ery of this Koel was frequently heard between from (Ide's plantation west to Mur, castern Mendanov April 2/1/100 Heard at Vingali, on the lower Bococa Rices, in The interior of Mindanat, May 4 und 5, 1904 xion from Jangali on the Bacca River to Composicia on the Course Rober, May 5, 1904; abundant on the wifer agus an lalour Compostela, May 5, 1904.

(Sheet in) Oudynamis mindanensis (Linnaeus). Compostela lo Pilan, agusan River, Ulindanao, May 5, 1954 Ats voice was continually heard through the Agusan Valley from Compostela to Butuan. It long shrieks were most frequent after oundown Many Deen, May 6, 1904, between Tilar and Valorie Lake Linas to Olalacogen, agrican Valley, Mindanno, May 9, 615 Olalacoyon to Butuan, agusan Valley, Mindanao, May 10 and 11, 1905 ayusan Ruer below Butuan, Mindanao, May 11, 11 Colongedant on the lower slope of Mount Mayon, on the Legasfii side, up to 1500 feet altelide, Alberg Province, Leizon, March 28, 1707. Ragillia: Come ryple above my camp on the nagillian King, Luzon, Herry 19, 1907. Ousignrun, east coast of Luzon, June 1. 1907.

Odder, east coast of Luzon, June 1. 1907. Pili bot Springs, near Sibi, routheastern Lugar Jun 3, 100 Base of Mount Mayon, near Tabaso, albay Frommy Luzon, June 4 and 5, 1907. abundant on Fuga Toland, P. J., May 2 gand 30,1907. One specimen taken. Finding ligheal 8. mindanensis with E. frater is proof the the two are distinist.

Endynamis mendanensis (Linnaeus).
Obundant on Lake Naujan, Lastern Mundoro, March 25, 1907; very noisy at night. Calapan, Mindoro, October 31, 1906. Lower Subaan River, Nov. 2, 1906. Mag (Niver, Mendoro, Nov. 5-8, 1906. Specimens taken, in Mindoro, are: 14551, Subaan, Dee 6; and 14590 and 145-91, Cealopan Dec. 9, 1906. Mumerous on Palmas Doland, January 21, 1906. Whenever the guns were fired the Korls would scream d'evellected a female, Mo. 13887. Somach filled with green fruit, only. Fris red. Testieles functionally enlarged. Hotes the same as those of the Himbourd hoster Korls on Mindanao Voland. Also abundant ou Palmus Island, Delober 7,1906, when four preimens were collected. One a hot by Dewial Wood, one by Dr. (Paul Co. Fireer, and two by Captain James K. Thompson, 1100 ming Us usual, whenever a shot was fired, it became the signal for overy hoel in the vicinity to sorceote Sarangani Island, off southern Mindanao, Ja October 8, 1906 Balut Irland, Sarangani group, Jan. 23 and Cot. 8. 12. Izabella, Busilan Faland, January 26 and 27, 1906 Camp no. 1 to Camp No. 2, west of Isabella Basilan do., Jan. 23,14

(Shect V.) Endynamis, mendanensis (Tinnaens). Camp No. 3 to Camp, No. 4, Bacilan Island, Jan. 30, 1906. Camp No. 4 to Camp No. 5, northwest Barlan, January 31, 1906 Between Tipo Tipo and Camp no. 8, Baselan Id., Feb. 3, 1906 Ceamp No 8 to La Mitan, north Basilan, February 4,1906. Malamani Island, off Basilan Island, Feb. 13, 1906. Jumahobang Kwir, routh Basilan, February 16, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18,1906. Camp No. 8 to Court No. 9 (Musser's), north Basilan, Fieb. 21, 1906. Musser's plantation, near Irabella, Basilan, Fet- 22, 1906. Lower Calubry River, north Damar, October 1, 1906. Cajoagan Island, off north Damar, October 2, 1906, when Nos. 14337 and 14338, males, were pollected. Very nume= = rous and noisy. Bozongan, east Damar, October 3, 1906. Landing, east Damar, October 3, 1906. Buear Island, of prortheast Mindanas, Colober 4, 1906. Lower Catel River, east Mindanao, October 5,1906. Cotober 6, 1906, We saw one mounted by Mr. Reyes at Caraga, where it was shot. E. Mindanao. Manay, east Mindanao, Cetober 6,1906 Many noted on Loran Id., of Wian Id., October 12, 1906. Koels were abundant on Tunindas Island (off Ditanki Island), Oct, 13, 1906; but I got none.

(Wheet VI.) Cendynamic mindanensis (Timaeus). Korls were abundant on Cagayan Sulu Island. Julie Dea, October 15, 1906, when I shot No. 14433. fad. So far as I could see, it was a female in spite of mostly block plumage. Compare to. 14433 with Endynamis honorata Limaeus, which is recorded from Palawan Taland. I preserved opicinen No. 14445, Bad., shot on Tumbucan Island, October 16, 1906, by Captain Holstead Dorry. This Specimen should be compared. Duludsland, from Jolo to Maintown, Bud Dajo, Crater Lake, and Det Lake, March 1 and 2, 1906. Town Rio Grande, southern Mindanao, March 15,1906. (Panghang, on Dumangiulas Bay, southern Mendanas, august 17,1906. Ot the residence of Hovernor Willer, at Suento Prin -cesa, our Dalawan, Depluber Marignina Valley, Rizal Province, Luzon, De St. 17,1906. Antipolo, Rizal Province, Luzon, Deptember 21, 1906. Duling, east shore of Davao Sulf, southern Mudanao, June 12, 1904 Common at Tagulaya, on the west shore of the Deelf of Davao, June 14, 1904 Taliend Island, Suff of Davas, off southern Mindauso, July 17, 1904 Davao, southern Windanao, July 18 to 20, 4904

Endynamis mindanensis (Linnaeus). Teamh Dorton, morthern Mindanao, July 9, 1906.

( Sheet 1.) (rationarie houvrata (Linnacus). At the residence of Lovernor Willer, as Parte-Piricea cast woast of Palawan, Deflewbur 11, 1906 Voans Emanuel Sulvanan of the Thespital Coops, US army.

Endynamis frater Me Gregor, Bull Philippine Mus.,
No. 4, 1904, p. 21.
On Fraga Island, May 29 and 30, 1907, I Sound
it abundant and noisy, and procured two malles.

150 (Sheet I.) Contract Contract of Comment in the Centropus simmer de planer. This seemed to bethe largest ofecies of Centropus seen l'ay me in the Philippine Islands. On the island of Cagayan Sule, on the Sule Sea, Thebruary 25, 1904, I noted: "A very large red-brown and black unspotted Ramerow was often seen and and occasionally seen. I shot one but could not reach it. These birds were seen on the tops of live and lousher on the liels and often among the tall cocoasuet Trees. Captain Laughorne, usarny, who crossed the island turce me a north and south direction on feb. 25, 1904, found the on both warywhere, coperially, on summits in Thickets. Den mear Danto Domingo de Baseo, Batan Island, May 27, 1907. Silu Island, from Jolo to Mainbun, Bud Dajo, Eraler Lake, and Diet Lake, March land 2, 1906.

Centropus mindorensis (Steere). Donne were seen on the Naujan River, lastern Min-= doro March 25, 1907. Lower Subaan River, Mundoro, Uov. 2,1906. ODenibi Privir, Mindoro, Nov. 3 and 4, 1906. Clag (Kwin, Mindoro, Nov. 5-8, 1906. O' The out, opecimen tallen: No. 14521 Fad, Camp Uo. altitude, feet, at junction of and Alag Rivers, December 2,1906.

(Sheet I.) Centropus carpenteri hecerus. Botan Island Coucal. Centropus carpenteri Mearus, Philippine Journal of Verince, Vol. 11, October, 1907, p. 356. Named for Mr. William Dorr Carpenter who shot the type openium

(Sheet VII.) Evilropus viridis (Deopoli). Lea le vel, at lagulaya, up to 1030 feet on brail to Mount Apo, southern Mindanao, June 15,1904. Haliend Island off Sumal Daland in the Gelf of Davas, of southern Mindanas, July 17, 1904. Davar, southern Milda Joo, July 18 6 20, 1904 Camp Overton, northern Mindanato, July 9, 1406. Colon, Colon Island, July 10, 1906. Dulag, ourt coast of Leight, July 25, 1906.

(Sheet I.)

242. Centropus viridis (Deopoli). L'il Stilippine Laucal; Raincrour Koo-how (Moros of Bumboungs).

Hoted at Manay, southeastern Mindanas, Cetober 23, 1903. " " Garang, southern " 18, ".

This species was common along the Rio Double who

Lake Liguasan, Mindanao, October 19, 1903.

Noted at Davao, southern Mindanas, October 24, 1903.

Moundant in the cogonals about the head of Barz = angarin Bay, in the vicinity of Makar (southern My

Mindanao, October 26, 1903.

(14 Jamboanga, Mindanco, J. D., December 2, 1903.

Hoted at Cabosaran, on the Cobasaran River, Jan. 30, 1904

Also at Buluan, on the mainland of southern Ulindanao, January 31, 1904; also at the place of Datto Dalis Hasin,

six miles inland and two mules from the river Jan. 31,1904

Noted on the Wand of Banga (Port Banga), of f

noted at Dipulog, northern Mundanao, P.D., February 14, 1904.

Moted at Oligan, northern Mindanao, February 15, 1904.

(Sheet IT.) · Jan Lingie Coural. 242. Centropus viridis (Scopoli).
noud at the Dubanott villages of Dindangangon Din= = dangan Berg, northern Mindanav, P. D., February 16,1904 noted at Davida Maria, morthern Vilendanao, February 17, 1904. aboundant at Collabato, Rollrande Villey, Mundaina, Tilarch 31, 5, 1964. me were seen at Vintar or World of Malabang, Villendoner, Cyre ! ... Noted at Dealella, Island of Basilan, January 19, 1904. Noted as abundant at Malabang, Mindana o, Cot. 7-4, 1703. Same were seen in the grassy bogs floating on Lake Liginasan, Mindanao, May 17, 1904, May 19: "a few live in the grass of Lake Lanav." Abundant in the grass bordering the Buluan River, which connects lakes Buluan and Leguasan Mindanao, May 2001904, also around Lake Buluan, May 22, 1904. noted on the Malala Kwir and at Simpitan, near Lake Bulnan, May 23 to 26, 1904. Descending the Buluan River, May 27, 1904, it was noted, between Buluan and Pourdog. This Corneal was common along the Red Trande from Laste Liquasan to near the sivermouth, Many U28 and 29, 1904.

(Sheet III.) Centropus viridis (Scopoli). Strin Philippine Coucal. numerous at Surigao, northeastern Mindanao, april 20,19012 Noted at Bacuag, northeastern Mindanas, Capril 21, 1901. Cloundant of Dinagat, on the Island of Smagat, april 21, 1904. One specimen (no. 13347) was latter the Noted at Davas, southern Mindauro, July 15 to 20, 1984 abundant at Zamboanga, Jan. to april 9, 1906. ayala, Mindanso, J. D., april 24, 1906. Ta bas Libergon Valley east of Colabata, March 12,1904 Troungang Pringerto Deranging, under valley, Mindanao, March 4. 11, 1904 (Chundant on Me Subang River and Lake Mainit, northeastern Mindanae, Offiel 22-24, 1704 Drawinga to Whristean (Ide's houp plantation, Trules west of Baganga, eastern Mindanas, (1/11/26,17-1 Mindant at Mingali, on the lower Bacoca Ruer Mone to Compostela outhe Ogusan River, Villey 5, 1900: On the Cognoan River Allindanas, May 6, 1904, believen the Locale of Vilar and Jaliva, many were heard, and one pair crossed wheriver elerete our beat; one ahot at Jalwa; Jalvia; to Patroeino, May 7,1904-Variella to Late Line o, liquo uballa, Illindan 17/1045

Entropus viridis (Sarpoli). (Sheet IV.) Lake Kinao to Salacogon, agus an Valley, Mudanao, Way, Starting town the river from Salacogon at 4:45 a.m., concats and private were the first bird voices heard. Agusan Plwer below Butuan, Mindanao, May 11.19 (Bump Jose mon, Island of Juinaras, Die : Fronteurrimao to Lavay, Hocos Horle, Luzon, January 14. Lucay to Dingraz, Hocos Norte, Luzon, January 16, 1907. Common from Dingras to Sadsan, Llocos horte Province, Dingras to Lecay, Flores North Province, Luzon, January 18, 19. In the Lacaghin Valley, a chort distance below Lacag, Jan. 19,1907, and a lamarind from, I shot an albino and a normally-plunaged one, and soon after some another white one. Abundant in the Lasaglatting of the in in in in. Communication Jacobs Land Jan 20-22, 1907.

" , " la Vintar Lake, do "23-24 and 5/1/25,

" , " " Caray " , do " 2/1/25,

" , " " Naghartian, do #164. 15, 1907. Burdott Manganese Wine, W. extremit, of Luzon, Hebruary 19,1907. abundant, sometimes in edge of forest, at hagharlesin, Hoeos Norte Province, Luzon, February 15 to March 9, 1907.

151 (Sheet W.) 5 Contropus virides Deopoli). (Abundant on the base of Mount Mayon, Legastri side, up to 1500 feet allelide, Albay Province, Luzon, March 28, & Sublany to Courp Wallace, on the Magellian Frail, Lugar, How 19 and 20, 196: Commonat Campliallace, La Union Province, Lugar May 20-25, 190? Eusignam, cast coast of duyon, June 1, 1907 Baker, east goast of Likeon ( from 2, 2% (Pili Hot Springs, near Dibi, sout teastern Lugon, James 19: Base of Mount Mayon, Tabaco side, Cilbay Frommer, Quezon June 4 and 5, 1907. Coneals were abundant on Fuga Island, May 29 and 30, 1907. Dee specimens collected for identification. as both this and & javanicus may be with On trail from Naujan to the Naujan Vewer, eastern Mindoro, March 25, 1907. Balut Island, Darangani group, Wolober : 1666 Camp no. 1 to Comp No. 2, west of Jackella, Basetan Id. January 28, 1906. Camp No. 8 to La Milan, north Basilan, Felorum 11 1906. Malamani Island, off Basilan Island, February 13, 1906. Isabella to Comp no. 1, interior of Basilan, February 18, 19 Buli Buli River to Coamp No.5, south Basilan, 416, 17, 1700-

(Sheet VI:) Centropus viridis (Deopoli). Camp No. 5 to Camp No. 6, south Basilan, Fist, 18, 1906. Malusa, west Gasilan, February 19, 1906. Camp No. 7 to Camp No. 8, Basilan Island, Feb. 20,1906 Camp No. 8 to Camp No. 9 (Muser 12), north Basilan, Feb. 21,1906. Musser's plantation, near 22 abella, Basilan, Feb. 22, 1906 Burengo, Catubig River, north Samar, October 1, 1906. Odorongan, east Damar, October 3, 1906. Lower Catel River, east Mindanao, October 5,1906. Dulu Island, from O olo to Bud Dajo Veak, Oct. 11, 1906. Lamboanga, Mindanao, January 12, 1906. Dulu Island, from Jolo lo Mainbun, Bud Dajo, Cerater Lake and Diet Lake, March 1 and 2, 1906. (Jarang Jarang, southern Mindanao, March 14, 1906. Tangpang, on Dumanquilas Bay, southern Mindanao, August 17,1906. Hyala, Western Minidanao, August 27, 1906. Camp Connell, west coast of Dama Saland, September 5, 1906. Many Courals, apparently this opicies were seen on Courso doland, Dules Dea, Deptember 10,1906. Mariguina Valley Vizal Province, Luzion, Deft. 17, 1906. Duling, last shore of Davao Sulf southern Mindanao, June 12, 1904 Davao, southern Mindanao, June 13, 1964. Tagulaya, west shore of Davao Gulf, southern Meridanso, June 14, 1904.

150, 151, 00 1521 (Sheet 1.1 for the service of month. On Movember 13, 1903, the toook 2 of Doursel Word '2 Rommand Prossed the island of Rule from Sectorals to the fort of the & Moro Panglinia, Hassan, on the hostile Moros before them. During the army of Cuellos of this genus were continually offing over the grass-cont word - Top 2 in long direction. Heree species - Controfus sineuvis, C. viridis, and C. javanicus had bran delected on the island; and I think
and the days Only one aprecies was
[No. 13142]
collected on that expedition the, and their jums to.
Ware noted and our route from Hassan's An residence to Upais place, thence to terater Moun-= town. At Mais place, November 14, 1903, I moted: "shot a new Kind of Kanierow which was not recovered in The vine-langled grass" "This was a large yellowish bird, and of sotted, with fitty in . The Ramerow about leves = Ter Gilountierin was noted as "different from that of Mary on Wt. Sulieman, November 20 19 and 20, 1903; Taglibi, November 20 and 21, 1903. Common around Jolo, Sulu, November 21-26, 1903; brown (young? and Beach).

(Shut TI) 150,151,00162. Centropus siner Line Const. Dunary. a Kamerow (No. 13356 Ead.) was shot on the island of Sulu, P.D., between Sallo Hotals residence and his market at Bual. Many were seen, including, probably another species. Una list of the birds found on the island of Diassi, S. J., Coptain V. L. Dwith moulions two brids that live in the grass and are known to the nativis [Moros] by the mones of Bungan and Dambal, respectfully," which may probably belong to the genera Coulsofurs - perhaps pineusie + jamin. the openies most common on July Island. Kamerows were numerous about Camp Vicais (altitude about 2900 feet) September 28 and 29, 1903. They were probably javamein but possibly viridis; the since were again deen in the eagon grass on the road from Camp Vicars tour, de Mataling Folls, Soft 29, 1905. One oficies of Contropus was abundant at Lake Butig, south of Lake Lanav, Ulindanau, Oct. 546, 1903. (Cleutropus mas noted at leauf Hotsenburg, Luzon, Nov. 28,1905 The Coneal of Diasi Island, October 12, 1906, is spice - miln No. 14 405, Fad., which was ariporiting; manuscous 1906. Ofecies the same as No. 14405 from Stasi Island, telobre 12;

1. Z. Sac EI. Sah-goo'-soke (Minor of Lake Lanas). No. 12928 foo. abundant from Pantar to Marahui, Windanao, September 27, 1908. Morth o ide of Lake Lanas, Mindanas, November 3 1. 5 , I benefit of 114 (Partar and Marahui, Com se , with the holears (3000 ft. alletuch), Mindanao, Marchis Violet from Camplica 2 to Sour, on Late Lamo, Chil 2.193 An the cogonal meadows between Succir, on Love Londo, and Camp Vicars, a por were noted and the Civil is in d got its lygs det auta. Alm the cogonale ourse ding lamp Vicare some on April 11, 1904; and others were noted between there and Illalating Frales the a species apparently this was common around the city of Manila in august, 1905. noted at Baguio, Benguet, Sec. 1 and 2, 1905. a coneal listed at Contropus joinnens was noted along the Manila and Daguhan Railroad, between Marila and Camp Thegg, Luzon, July 29 and 30, 19.00. abundant at Camp Gregg, Pangasanan, Luzan, July 29 and 30, 1906. Quite common about Baguio, Benguet, Luzon, December 1 to 12, 1905.

(Sheet II.) Centropus javanieus (2) umont). Drinidad, 4500 felt, Benguet Province, Juzon, Decomber 3, 1905. Mount Santo Tomas, whitolowoo fut, Luzon, December 10, 19:11 Meade Hoad, Bouquet Province, Luzon, Dining ? De exercine plat at lantar Parc, Hours Horte, Luzan, Jan. 24, 1907. Camp John Hoy sulitary rece we and region when it is men Benguet ( Propriee, Lugar, 200, 14,1906. la Bannary 479 : Duymo to Dablaan, in the Magillian hail, Fuzon, March 19, 1907. Coneals were abundant on Fuga Island, P. J. May 29 and 30,1907. Dec Specimens for identification Olipo Tipo, interiot of Bazilan Island, Kebruary 3, 1900. Campe No. 8 lo Va. Mitan, north Basilan, February 4, 1906. Opper Siper, interior of Basilan Island, February 15, 1966 Delwan deputiper and ovithe coast of Basilan Ide, the 14 14 16 Manux Manka Island, January 6, 1906. Sulu Island, from Jolo to Mainburn, Bud Dajo, Crater Laste, and Diet Laste, March 1 and 2, 1906.

(Sheet I.) Sah-gook-sook, Bagobos of Mount apo, Mindanao. 244. Centropus melanops Lesson. Mr. Marquis L. Robb collected their brist at Zambonna. a got specimens on Basiline Island and at Took. Kaliling, at 2000 feet attetude on Mount Cipo, Will. licar & sabella, Vasilan Island, January 27,1966. Que whot mear Camp no. 2, west of Drabella, Basilan Island, January 28, 1906. Country No. 5 to the Council arang River, interior of Basilan Island, February 1, 1906. Camp No. 6 to Camp No.7 (mean o) ipo o dipod, in the milerior of Basilan Island, hebruary 2, 1906. I Setween Sipe Siper and Comp No. 8, Basilan Id., Fiel. 3, 1906. te amp No. 1 to Camp No. 2, interior of Basilan Id., Hel 1, 14, 1916. Comp No. 2 to Camp No. 3 (at Tipu Sipu), Barilan Joland, feb. 15, 1906. Camp No. 5 to toamp No. 6, south Basilan, February 13, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feet. 21, 1906. Sperimens hos. 13505, End., and 13506, Food, were collected above Loonealing, at an altitude of 2000 feet on the base of Mount Opo, mendana, June 15, 1904. They were shot in bamboo 3350 lo 3500 fut on 11th. Copo, Mendanco, June 17, 1904.

269. Vantholaema hasmatocophald (D. L.S. Müller). Chinesurgerated Banket or Copies in the Ja: 2'- nung (moros of Zamboanga). " " " - 1-12; a " ... of Gardrange, gave me this name, and said be all seen this bird on the poland of Baselan. The entire record of my only specimen seen is at page 56 of my fild register of specimens collected. Male shot at larget range near Zamboangu, Viril , 1906. From a tree-top its call resembled that of the Baquer Pegeon - a single aft repeated note. O Deliveren Deranaya Manoh and Labas, cast of Cotabato, southern Mindanao, March 12 and 13, 1904. Burdett Wanganeselline, nev. whomity of Luzon, Futr. 19, 190% In the origion surrounding Nagpartian, Hocas Horte Province, Luzon, from February 15 to March 9, 1907, tus copperemits was more abundant than I have found it Msewhere. It's pounding moles are continually heard in the town." "at Magharleair, during a period of heavy winds, these birds were secreely, in circlence; but, when cally periods arrived, its call was heard from co on-tree tops all about the village. The bird is restless, and every cessation of its coppersmithing resually indi= = cates a changed of perch; but the bird is not shy, preferring openings with a few trus to the deuse fore:

(Sheet II.) 154 Vantholaema harmatoesphalum (P.L.S. Muller). " Dozens heard February 26, 1907 at Haypartian." "This consical little bird, seemingly handreaffed by a prodigious head and break and a little bobbed lail, clothed in a brilliant uniform of red, green, and. gold, is really abundant in Maghartean. It lekes a prominent rostrum ou some tall tree base of leaves, whence it beats this mittellie wall which has given the loved its name of "coffer mitte. Usually but one is seen on a tree; but its mate may be heard founding away on some neighboring trectof. after the two join, and sit so close together that both fall to one shot of the collector's gun. Though several pairs are commonly heard in the town at one mo. = ment, I have not seen more than two logether except on March 4, 1907, when seven were hammer = mig out their notes in a cotton-tree besin the house in which I lived when at Magharlean." Wire at scalevel, mean Bojeador, dlocos Troste, Luzon, March 9, 1907. Consiguran, ust coast of Lugor, June: 19 Very abundant from Varigan, on the coast, to Lake Maujan, lastern Mendoro, March 25, 1987, when one was? Chaplain Clemens collected it at Coamp Keithley, Windows ? Marrick Marka Island, January 6, 1906 (heard and seen, but not shot). Perhaps X. roskum.

(Sheet III.) Lauthetaèma hai natocephalum (P. L.S. Willer). Three adults (8, 4, 4) and one young in first plumage (Pjiw.), latter at 1100 feit altitude on Mount Malidaig, morthwestern Mindanao, in frame, were conspared with 13 adults from Hay partien, locas Morte Province, Juzon, in February. (Ill of the Midanao birds tiffer in having longer and more pointed bills, although the wing measures about I millimeters less than, in Lugon birds. The Mindanas birds were darker throngwest, this being partly due to wear und difference of season, as resident Lugon birds, taken at the same season, were mearly as dark, but always had more gray on the nope and behind the ear-coverts than Mose from Mindanao, in which these parts are practically black. Whe three adults from Undance were breeding, one female bring shot with her young in first plumage HIH Haghartian, the extreme morthwest point of Luzon, there barbets may have been migratory, as many as I having here seen tratter on one tree. at trives, none were heard for several days together, and then its moles could be hound on all pides. plight characters given above, brouble would always enforce I would always enforce I would necessary after migrants—if the species indeed actually does migrate from the wishend to the Poly.

(Sheet I.) 272. Ayngipieus validirostris Brita. One was shot at Marivelis, Bataan, Lugon, P. I., Not uncommon in the pine forests ourrounding Baguio, Benguet Drovince, Luzon, 2) ee. 1-12, 1905. One or more were seen daily. Its crysis a squeaky rattle. Mount Santo Tomas, Benquet Province, Luzon, December 10, 1965. Meade Road, Benguet Province Luzon, December 13, 1905 Durdette Manganese Mine, WV. point of Luzon, Hebr. 19, 1907. Deveral pairs and Jamilies were seen at Hag= - frantiair, Flocos norte Province, Luzon, from February 15 to March 9, 1907, When I found it to the Extreme This was the only woodpicked found at naspartian. morthwest point of Luzon. On March 7, 1907, I found a family of these interesting woodpeckers in the riverbotton at Maghartian; one, so young that I was able to catch it in my hand, sat for a leng time on a stule in the stony creek bed and attered a squeaky rattle. On Hebruary 26 th, I saw the old lorids flying in and coul of a hole near the top of a small true that grew on an islet in a brook. The opening was 20 feet above the water, and about the size that our downy woodfeeller would have made. Young could be heard aqueaking within the line which I refrained from breaking

(Sheet I.) 274. Ayngi pious Interlasciatus tion it. Bar-lin-lin-tory in the well thought. Deance at Vaniar, " ... to use, in Degat I Sit ... potul of ythe wegon-pood is our Holaberry to Your places (670 3000 full the Dem at Zamboanga, Mindanao, P. J., april 9, 1906. I moled the absence of this oficies, as also of all Woodpeellers from Ciders place to the Privar castern Mindanas, on Opril 27,1904. At Campe No. 3, Basilan Island, January 30, 1906. Connataring Rier to Comp No. 6, interior of Basilan Island, February 1, 1906. Camp No. 6 to Camp no. 7 (near Shipo Sipo), in the interior of Josephan Deland, het mary 2, 1906. Campe No. 2 to Camp No. 3 (at Sipu Sipur), Basilan Island, Fet- 15,1906.

(Sheci I.) 157 278. Chagocoloptes Rucidus (Seopoli) Red-booked Golden Woodpecker. Bah-la-la-took (Moros of Joke Lanao). Jubay River, northeastern Mindanas, april 24, 1904 Noted at Davao, southern Mindanav, July 15 to 20, 1904 the standard the tracker of the State of Noted at Davao, southern Mindernes; Cini ..... Hammering ... Noted at Bung Bung, southern Mindanao, January 30,1904. Olso at Buluan, " " 31,1904. Cloundant on the last aix miles of Mu Cobas = aran River, southern Mindanao, January 31, 1904 Noted at Dipulog, northern Mindanao, February 14, 1904. " Lubungan, " " Hebr. 15,1904. " the Sutrano village of Mucas, on Sindangan Bay, northern Mindanao, P. D., February 16, 1904. With tridge will belong to Comp Vicars ( a to 3000 feel), I'll ridarion, " ... in Noted man Asabella, Basilan, January 19, 1904. Olways abundant around Zamitornaga. Reranaya and Lakas, Libungan Valley, east of Certabato March 12 and 13, 1904, Cit The Manchevillage of Vatroeino, on the Cegusan River, Mindanao, May 7, 1904, I saw out at the critrance of mesting hole in tree.

Chrysocolaptes haematribon (Wingler). Young-i (2 gordes of Benquet) Bued River Comyon, a short distance abour Twin Peaks, Luzon, Docember 1, 1905. Jurin Poaks, Bengust Wagon Road, Luzon, & combin 14, 1905 (14 Haighto, in the entire wo be regard inflationeds, it was common in the oak woods. Its usual eng somewhat per which that if Huleyon gularis; but it utters quite a variety of notes. Due france shot fine i fine outer del Made Wood, warmp folm Hay, Benjaci Brice, See on, 190, at 4700 feet altetude, was the only one enty on I ce. 24 Gusigurun, cust coast of deizon, prist 1957.

Chrysocolaptes rusopunctatus Hargitt.
Noted at Dulag, east coast of Leyte, July 25, 1906.

(Sheet I.) Chrysocolaptes July 3, 1904. Heard a large Woodpeller raffing on tree above Camp Goodfellow, alleliste leon feet on Mount apo Mindanao. The Just one motest.

1/

sahm-boo-lat-o, mons of Basilon de (Sheet IT.) Chrysocolaptes lucidus (Xleopoli). Mear Asabella, Basilandsland, January & 6, 195, Camp No. 1 to Comp No. 2, west of Isabella, Basilan doland, January 28, 1906 Hound No. 2, to leany No. 3, Basilan Island, January 30, 19 Eumalasang River to Camp No. 6, Interior of Basilan Daland, February 1. 1706. Camp No. 6: to Camp No. 7 (near Tipo Tipo), in the interior of Basilan Island, February 2, 1906 Tipo Tipo to Ceamp No. 8, interior of Basilan Island, Fib. 3, 1906 Daabella to Coamp No. 1, interior of Basilan Island, Feb. 13,1906 Camp No. 1, to Coamp No. 2, interior of Basilan Id., Het. 14,19. Campe No. 2 to Camp No. 3 (at Tipu Tipul), Basilan Id., Feb. 15,1906 Tosuli Buli River to Camp No. 5, south Basilan, February 17, 1906, when I collected openinen No. 13957. Camp. No. 5 to Camp No. 6, south Busilan, February 18, 1901 Malusa, West Mindoro, Hebruary 19, 1906. Camp No. 7 to Camp No. 8, Basilan Island, Feb. 20,1700 Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21,1906. Musser's plantation, near Isabella, Basilan, Feb. 22, 100in. 1: m mon, one shot, on the lower Coleel River, east Mindanao, October 5, 1906. Panghang, on Dumanquilas Bay, southern Mindanao, Cugust 17,1906. Ayala, wistern Mindanao, August 27,190%

(Sheet I.) 281. Microstictus Juliginosus Twerddale. Bah-la-la-look (Moros of Jaro Lanao). The uncomment of tenter, in themon in Brunch and Die Tember, 1903. In heavy son in. 1 - 11 4 - 18 ( Distalled) 4. ( in Monthson , Sept. 29, 1963, total be tween Malabang and Camp Vicaro, Mindanao, Tima in Tomas Peak, Bonguet, Guzon, December 10, 1905. They were in oaks at nearly 6000 feet altitude and ofterwards flew into June trees.

28.3. Thriponax javenois (Horifield). mein; Great Block-backed Woodpecker. Bah-la-la-la-lance (Morros of Joy. Lamor) abundant in vicinity of Bamboanga, Mindanao Jan. to april, 1906. Commence of the first of the fi When crossing the island of Sule, P. O., on the trail from Mpais colta to Coraler Houndain, November 15,1903, this large Wood peeter made the tall trees recound. In a camp on the stream near Panglina Hassan's cotta, at the foot of Cerat a Mountain, the forest trees are very toil; and in them the loud drumming of this Woodpeaster ? . . ? . always be hear ... Two were seen on the last Rix miles of the Cabasaran Priver, southern Mindanao, January 31, 1904. Woled, C. The lowest portion of two rivers that enter Darangami Day, northern Mudanav, at the Serbano village of Mucas. One was seen at Camp Marchui, central Mindanao, V. J., September 20,19053. Caplain Frank Kille Coy moled their bird in the mountains Is luran & avad and the headwalers of Hu alip River, in southern Mindanao, early in Jane, 1904. Down none about Ult. apo.

Agad of Calcel Arien, East Coast Mante of Min= =danao, May ?? (lyasan Piver at Jativa, Mindanao, May 6, 1904; " from Jahon to Patrocino Mindanao, May 7/1900-" at Varicella; nesting in a large dead tree in the village, May 7 and 8, 1904. Agusan River brow Buluan, Mindonas, Hing 11, 1907. (On December 10, 1905, I saw a pair cet the base of Darito Tomas Peak, at about 5500 feet alletede. During Slight May produced a lond, whiring sound. The trees near the summit of Mount Santo Towas ( James were as deeply hatched as those operated whon by our american peleated wood prekin. Cahl-Ill'-lah (Igoroles of Benguet). Cal-lee'-lah. Mr. Day Yought aight says it is not 1. common about this residence in the highlands of nortien Benguet, Vuzon; but doaw to orly two from puly so to (leignest 3, 1907. IA was anute whey and -Secretive, its presence lesting revaled work houndly logits loud rapping than by its flight or cries. In general it resembles and pleated wood = = pretter; and it males Dimilar searse. hatching & in the trees.

( Sheet 111.) Thrifonax javensis (Horsfield) October 5, 1906, I shot one as it was crossing the broad Cateel River, coslere Mindanao. It fell in mid-stream. General Wood shot one at Manay, last Mindanao, Cetober 6, 1906.

in wir in i our or in,

Shriponax multilunatus Mellingor. Near Trabella, Basilan Arland, January & 7, 190 Camp No. 2 to Camp No. 3, Basilan Valand, Jamery 29, 1901 Compre No. 4 to Compre No. 5, morthwest Basilon, January 31, 1906 Wirnalarang River to Camp No. 6, interior of Basilan Island, February 1, 1906. townf (No. 6 to Comp No. 7 (mean Sipo Sipo), in the viterior of Basilan Island, Fibruary 2, 1906. Tipo o Tipo to Camp No. 8, interior of Baselan Island, February 3, 1906. Dabellato Doup No. 1, interior of Basilan Island, Fib. 13, 1906. Camp No. 1 to Camp No. 2, interior of Basilan Jai, Feb 14. 906. Campe No. 2 to Campe No. 3 (at Sipu Lipu), Basilan Id., Feb. 15, 1001 Malusa, west Mindoro, Fibruary 17, 1906.

in and on I demonted in

Clivicola vinenvis, (4. E. Tray). the lower of Lang, Theore have Province Langer, January 16, 1907.
Vory Manuary to Manuary Color from Land of the Syngroz
Thoros Norte Province, Luzon, January (6, 19). On streams from Dingras to Godsan, Floors norte Province Lery abundant on the Lavaghine from X rigras to Lavag, January 18, 1907. Many were liging in adout of holes in the clay banks of the Lavaghine. I disgribe out two mists which Clangthe Langkin, below Lang I rioted lundred of them Glannary 19,1907. I shot 3. One female abouted, by the ordenstons condition of its abdomen, that it had been setting, Communication of its and blocos Morteduzon, Jan. 20-22. 1907.

" at Vintar, " " " 24, 1907.

Lacag Rivir and Paray Lake, " " " Feb. 5, " (It Bueara, Flocos Norte Pororinee, Luzon, Italo. 15, 1907. Several at Bacara Plura crossing, do , March 9, 1904. Left si the Bureau of Deience: Nos. 14712, 14711, 14779, 14710, 14693, and 14732, from Flores Worte Province, Juga.

519. Hirundo gutturalis (Droj ::i).
Oriental Broatlow. Breed Hoted at Phriodony, Miden, hard of the form noted at Zamboanga, Mindanao, P. J. T. " "Mali, southern " " Manay, " 23, . when many were perched on a tolethone wire. Coundant on the Nio Grande, Ulmdanao, Colitica 19, 10.000. World of Davas, Couthin Meridanas, O Talin 24 ..... " on west side a! Lax. Lanar, " , Alex tres On the island of Sulu, G. J., November 12 , 5 26, 1903, Higgornthe frach at this bird was noted as follows: Diet Lake, across the island, Nicewillia From Hassan's to Upa's residence, Mr. water 14; from Upais cotta to Corater Mit., Nov. 15; un the vicinity of Cerater Mountain, November 5: 13. Some were seen along the beach patieren Toghebi and fine, W. w.bar 21, 195: . Jesto, Dulu, November 21-26, 1908. noted at Pangapuyan Island off Mindanao about 12 miles last of Zamboanga, February 2, 1904. Noted at Bulnan, Douthon Mudanao, January 31, 1904.

519. Hirundo gutturalis (Scopoli). (Sheet II.) Zamboanga, Midanso, Dec. 7,1903. Inlarge floers around rice fraddies abuindant on the Cabasaran River, southern Mudanao January 30, 1904; also at Datto Salis Hassan's place, aix miles inland and two miles from the rier. numerous on Ruluan Isaland, off southern Mindanas, February 1, 1904. Mumerous on Banga Island (Port Banga), off southern Mindanao, February 1, 1904 Hound at Tambigan, Tambigan Bay, southern Mindanao, Fibriary 1 and 2, 1904. Noted at Dindangan on Hindangan Bay, northern Mindanao, (J. S., February 16, 1904. Noted at Santa Maria, northern Mindanav, February 17, 1904 Many were seen between & atto Upais residence and his market at Bual, Dulu Island, P. D., Frebruary 21, 1904. Municious on West Bolod Island, in the Sule Dea, between Tolo and Zamboanga, P. D., February 21, 1904. Noted at Pollo Maval Station, southern Mudanao, March 2, 1904 " " Cottabato, " " " 355, ".
" " Kudarangan, " " " 6, ". Voted at Camp Vrears (3000 ft.), Minduna Ofiril 1,904.

(Sheet III.) 519 Alcrimdo rustica gutturalis (Scopoli). Oriental Divallow. Deptender 27, 1903. - The Colephone wire from Jantar to Marahui, Mindanao, felle a long-felt want with these buds. Deounted the Swallour perched upon four consectitive reactes of single wire, between poles: 35, 41, 64, and 79 kinds. a few remained on Lake Leginasan, Mindanao, May 17, 1904; but at that date nearly all had migraled. On the 19th Inoted: "There are still a few Criental Swallow:"
Noted at Surigao (north eastern Mindanao, Opril 20, 1904; again) abundant at Marula, Sept. 20 % 30, 1905. Abundant at Marila Sept. 27 to 30, 1905, the days following the great typhoon of September 26. During The commencement of the typhoon Swallows were flying about. The last been were flying near the ground in the protection afforded by the house in which I lived. The next day (Sept. 27) Swallows were minerous; leut some were seen with missing rectrices. Noted at Tubay, northeastern Mindanao, april 22, 1904 In ascending the Lubary River, april 22, 1904, many were seen. Very abundant about the cety wall and moat, Manila, during October and Worrenber, 1905. Over The ( Tresig ) They were constantly fletting in municip

(Sheet IV.) phire indo ruetica gutturalis (Scopali). Quental Swallow Holad From Paris, L. Lando to Kogayan, Taraca Valley, Windanco, april 3,190. Hotel at Malungan, on the Taraca River, April 5, 1904, when many were skinning over the water. From Galauan to Basayan, on the James many were moted april 8, 1904. On Lake Lanco at Sain, april 9 and 10, 1904 Moted at Jaabella, Island of Baschan, January 19, 1904. O bundant at Camp Vicars (alletide about 2900 feet) Deptember 28 and 29, 1903. Noted at Malabang, Mindanao, Cet. 7-9, 1903. First of the season (16ind) seen at Manila, Sept. 9, 1905; many seen in afternoon of Sept. 9 and days following. Seen at the Garmment Experimental Farm at San Kamon, Zamboangad istrict, Mindanao, P.D., March 23, 1906 Not seen for some time (april 25, 1906). Abundant at Pantar and L. Lanao, September 1903. Benanaya Mars's to Labar, Dixibungan Valley, ourt of Cotabato, voulhern Midanas, March 12 and 13, 1904. Barak and Seranaya, Rio Grande Valley, Midanat, March 9-11,1904. (Clearved to Jollow grass fires in pursuit of the insects driven from the burning grass Holed as abundant from the Soranaya estoro to the mouth of the Kio X France, Windanas, March 14, 1904 Bayiloanga, March 15, 1904 Hake Mainit, Horthern Mindanao, Opril 24, 1904

(Sheet I.) Hirundo rustica gutturalis (Scopoli). Common on the Tubay River, northern Mindanao, Ofril 22-24, 1904. OBaganga to Christian (Ide's houp plantation, 7 miles west of Posaganga, eastern Mindanao, april 26,1911 From Clde's plantation west to the River, eastern Mindanao, april 27,1904. May 7.1904. - none seen lately. Sept., 1904. Manila, G. J. lan Vaidro, Nieva Ceija Province, Luzon, Nov. 27, 1905. Camp Stotsenburg, " .. 28, ". Camp Gregg, Pangasinan Province, " 1, 29, ". Dagupan, " " " 30, " 30, " Olong the Manila and Dagupan Railroad, between Cump Stotsenburg and Camp Gregg, Lugon, Nov 29, 1905. Cozornabro and Twin Peaks, Luzon, Nov. 30, 1905. Common at Bagnio, Benguet Thezon, Dec. 1-12,1900. Very numerous at Frinidad, 4500 feet, Benquet Province, Luzon, December 3, 1905. Mount Santo Tomas, Bouguet Province, Luzon, Dec. 10, 1965. Meade Road, Benguet Province, Luzon, December 13,1905 Bued River, below Livin Pearla, Luzion, December 14, 1915 Moilo, O'sland of Janoy December 24. 9 Camp Jossman, Island of Tumaras, December 24, 1

Hirundo-puistien gutturalis (Scopali). Auzon; January 14, 1907. Col four moled near the Lavar River below the lour of Larag Ruin Som Laragto Dingras, " (Chundant Jon January 16, 19);

Larag Ruin Som Laragto Dingras, " (Chundant Jon Jon 17, 1957) " in the Lavaglatles below Lavag, do - ", ?".".

" Lavaglatles, below Lavag, Horosttork, Suzon, Jan. 20-22, 1907. Common hon Lavay to Vintar Take, do ( 1. 23-24 11.

Lavay River and Propy Jake, do ( 1. 23-24 11.

Lavay River and Propy Jake, do ( 1. 27, " Obundant from Lavag to Naghartian, der " 15, " Atc Nadpartian it was only noted on February 21, 1907. Common, " to Lavag, Dlocas Norte, Lugar, March 9, 1907. (I fair from i agupan la Nivin Pout & l'angaseira, Jugan, Le 3, 1906 (Moundant on the base of Mount Mayon, Legashi side, up to from 1000 to 2000 feel attitude, Olhang Commer, Luzon, March 28, 1907. Down perhaps a secre of occupied mests in a large church, at Tabaco, albay Trovince, Luzon, March 29, 1907. Hlocks were continually crossing Lake Maujan, Mundoro, from south to north, March 25, 190%.

(Sheet VII.) Hirundo rustica gutturalis (Scopoli). Wir (Palmas Island mone were seen January 21,1906; lout, on October 7,1906, hundreds were fletting about, and two openieus were oblained: 014392. Ead, (Palmas Island, October 7,1906 14393.3 noted at Davas, Mindanas, January 25, 17 (Balut Island, Darangani group, October 8, 1966. Tipo Tipo to Camp No. 8, interior of Basilan Island, Fet. 3, 190 Camp No. 8 to La Mitan, north Basilan, February 4,190: Tipu Tipu, interior of Basilan Island, February 15, 1906. Camp No. 3 to Camp No. 4, Basilan Island, February 16, 1906. Camp No. 5 to Ceamp No. 6, south Basilan, February 18, 1906. Louiser Culubig Triver, north Damas, Ortober 1. 1906. Abundant at Burengo, Calubig River, north Damar. Or Tober 1, 1906, when No. 14334, fad, was collected. Voneral Wood shot 3 at Lanang, east Damar, Oct. 3, 1906, of which I preserved No. 14350, Fod. Buear Island, off northcast Mindanno, Octobery-1900 Lauri Caliel Kier, cast Hilindanoo, (Le lober 5,1906. Manay, Rus + Mindanao, October 6, 1906. Turnindao Island, off Ditanke Island, October 13, 1906. Cagayan Dulu Island, Sulu Dea, October 15, 1906. Melville, Balabak Dsland, Octobre 16, 1906 Corregidor Island, Munila Bay, December 16, 1906. A large flock on Dimalue Island, off Jawi Jawi Island, January 8, 1906.

(Sheet VIII.) Hirundo Anolica gutturalis (Doopoli). Siatu, Diaviolsland, Panuary 9,1906; abundant back of the town. Pamboanga, Mindanar, January 12, 1906. Quelic Island, from Jalo to Mainetin, Bud Dajo, Crater Latte, and Diet Lake, March land 2, 1906. Lower Nio France, southern Mindanao, March 15, 1906. Malabang, southern Mindanas, March 15,1906. Campi Council, we I coust of Damar Saland, September 5, 1906. Course Stand, Dula Jou, Deplember 10, 1906; quite min Ditariquina Valley, Rigal Province Luzon, September 17, 1906. Manila, Parig, Daylay, and Centificto, Luzan, Defitouber 21, 1906.

(Sheet I.) 162 520. Hirundo javanica Aharrina Maran Levallow Commence of the man be a standard of the second of the sec House were seen at Vantar or Mari Noted at Bambounga, Mindanas, 2. 9., Catille 1 - 1. 11. These Dwallows were building in the fost hospital, and in the salesroom, saloon, and billeard room of the principal slove of Locas, Whin= =01 1100, October 24,1903. De cember 2, 1903, these Swallows were numerous in the lown of Jamboanger, Mindanao, P. J. Jamboanga, Dec. 7, 1903. Common in pairs Moted at old Hort Sofia, at Margossalubig, on Dumanquilas Bay, southern Mindanao, Manuary 29, 1904. Noted at Bung Bung, southern Whickanao, Jan 30,1904 Seen on the last pix miles of the Cabasaran River, southern Ulindanas, and cet the place of Datto Valis Hasin, January 31, 1904. Abdudant at Siassay, island of Siassay, P. J., Hebruary 4, 1904 Building nests on houses at the dock. World at Malabang, Mindans, Marci J. Marci.

520. Hirendo javarica Sparrman. Jam & wallen Mindanao, Letmary 17, 1904. This Durallow was quite numerous on the island of Cagayan Sulu, P. D., February 25 and 26, 1904. (La I dinbed along the rocky shore many were; and they often alighted along the rough overhanging eliffs close to the water. Mariano de Lion the Filipino Presidente of the island said that two species ocem on Cagayan Delu; but all that I sow were this one One specimen (No. 13389 Ead.) was taken. Uloundant about a weedy fond in a grassy crater-basin. Noted at the Sol Cox Varal Station, Mindernao, P. J., March 2, 1904 This Swallow built a nest nie the store at Parang, Midamo. Noted at Falalla, Island of Bosilan, P. D., January 19,1904. Daeturned to Manila July 26, 1905, and saw no Quallow before August 15, 1905, when two of this spicies were seen flying together. Common at Malabang, southern Mindanas, Oct. 7-9, 1903. One seen at Marila, P. J., Septender 5, 1905. On Sept. 16, many Swallows were seen about Manila, but all that I identified were H. r. gulturalis. This species is apparently, not very common at Manila. Noted at Surgao morbheastern Mudanao, Afril 20, 1904

(Sheet III.) Hirundo javanica Sparrman. Javan Sevallow At Placer and Durigao, this opecies was continually alighting on the awning of the pleasurer Rander. Woled at Bacuag, northeastern Mindanas, Opril 21, 1800. Her Javan Swallow was quite numerous at Dinagat. on the Island of Dinagat, Opril 21, 1904. Moted again at Surigao, Copiel 21, 1904 " at Zawooanga, wislern Whendawao, Gugust 1, 1904 "Davas, southern ", July 15 to 20, 1996-" . San Ramon, Zamboanga Dist., Webidanco, Warold 3, 1906 at Jolo, Quelu, P. J., March 26, 1906. In the old & panish fort at Margosa Julia, Chiel 2, 1906, many were nesting. Some wests were on the bamboo cave-holes just outside windows of occupied rooms. The note is like U. D. Barn Surellan Olways abundant about the buildings of Lamboanga. Ce Sow wire seen at Prange and Colabato, on the Rio Grande, Mindanas, March 14-19. Janeboanga, March 15. 1904. Howwer for the Suboy River and on Laste Mainit, (Opril 2 2-24,1904. Wiled on the Bacoca River about the mouth of the Vingali, in the interior of Mundanas Many 4, 1900 Pilar la Jativa, agusan Kuri, Mindanar, May 6, 1905; 

162 (Chect IX.) Hirundo javanica Sharrman From Valueogon to the mouth of the Viliang Kiver, it was occasionally seen, and became more and mora numerous until Buluan was reached near the mouth of the agusan River, Mindanao, May 10 and 11, 1904 Mouth of agusan River, Mindanao, May 11, 1904 "Com mon" at I financz, northern Minda nao, May 12, 1999 Lungarah, horthern Mindanao, May 13,1904. Odaliangao, on Murcialagos Bay, W. Mindanao, May 13, 1904. Manila, Luzon Id., Ceng. 17 to Dept. 15, 1904. Dagupan, Langasinan Trovince, Luzon, november 30, 1905. a few ware seen at Baquio, Benguet, Dec. 1-12,1905 Deveral at Frinidad, 4500 feet altitude, Benquet Province Luzon, Lee. 3, 1905.

Base of Santo Tomas Peak, attetude of 5500 feet, Benguet.

Province, Luzon, December, 10, 1905. Noted on three amall, wooded islets off the south end of Dibutu Olsland, January 5-195. (Moundant from Vintar to Nagpartian Decos Morte Province Luzon, February 15, 190%, often perching in pairs on telegraph wires Not uncommon at Nagharlian, February 15 to March 9, 1907. Common from Naghartean to Lacay, Slocos Norte Luzon, March 9, 1907.

This, the only swallow seen in Bougust highlands of our dec.

24, 190 to 1 January 4, 1907, was abundant in open, que so y

Lands around at the hings I and Domas Peak; and so we
were seen up to 7000 for the Danto Comas, January 1, 1907.

(Sheet I.) Hirundo javanica Ofraseman. Legas fri, Celbay Horringe, Luzon, March 28, 1907. Abundant at Lucina, southern Tiezon, March 30, 1907, fracing in the houses. Seen at Baguio, thence to Sublaan, on the Magillean River, at Nazillean, and a few thence to the coast at Dan Turnando, Went 17am 20,19. () an Hernaudo, La Union Province Luzon, May 20-25, 1907 Apari, northern Tuzon, May 29,1907. Eusiquean, sust coast of Lugon, June 1, 1907. Boler, east evast of Lizon, Gune 2, 1907, Eibi, and Pili Hot Springs, southeastern Luzon, June 3, 1907. Labraco and base of Mount Mayon, albay Province Luzon, June 4 and 5,1907. abrudant, May 27,1907, on Botan Island, Greeding in houses at Sailo Doningo de Basco and in Cavernous hollows along The shire. Hound breeding on Finga I sland, O. J. May 29 and 30, 1907. Calapan, Mindoro, Otober 31, 1906. Davar, Mindanao, January 22, 1-106. Sarangani Island, off southern Mindanao, January 23, 1906. Abundant at Isabella, Basilan, January 26 and 27, 1906. Camp no. 1 to Camp no. 2, Basilan Island, January 28, 190% Coamp No. 3 to Camp no. 4, northwest Basilan, January 30, 1901.

(Sheet VI.) Hirundo Javanica Sparrman Camp No. 4 to Camp No. 5, northwest Basilan, Jan. 31, 1906. Tipo Tipo to Ceamp No. 8, interior of Basilan Jd., Feb. 3, 1906. Camp No. 8 to La Mitan, north Basilan, February 4, 1906. Dasilan Island, February 13, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906. Camp No. 7 to Camp No. 8, Basilan, Feb. 20, 1906; No. 13965, Sat. Camp No. 8 to Camp No. 9 (Musser's), north Basilon, Feb. 21, 1906. Musser's plantation, near Isabella, Basilan, Feb. 22, 1906. Borongan, last Damar, Celober 3, 1906. Bucas Island, off northeast Mindanao, October 4, 1906. Lower Catel River, east Mindanao, October 5, 1906. Very abundant on Dulu Island, between Jolo and Bud Dajo Peak, October 11, 1906. Giasi Island, October 12, 1906; numerous. One; on Foran Island, of Ubian Island, October 12, 1906. Furnindas Island, of Sitanki Island, October 13, 1906. Cagayan Dulu Island, Sule Dea, October 15, 1906. Melville, Balabak Island, Delober 16, 1906. Leveral Wood shot one on Tumbucan Island, Oct. 16, 1906. Balambing, Tawi Tawi Island, January 6, 1906. abundant, breading in the town of Siatu, Diasi Island, January 9, 1906.

(Shact VII.) Hirundo Javanica Dharrman. Golo, Sulu Island, January 9,1906. (Plamboanga, Mindanao, January 12,1906, ( ) Sulu Island, from Jolo to Maintein, But Dajo, Grater Lake, and Diet Lake, March 1 and 2, 1906. Parang Parang, southern Mindanao; March 14, 1906. Cotabato, southern Mindanao, March 15,1906. Malabang, southern Mindanao, March 15, 1906. At Margos alubig, southern Mindanas, Fran april 2, 1906, these swallows were breading in Hort San Sofia. Some had nests on the eave- poles of Dr. Kierulffest quarters in this fort. I moled that its will placed, resembled that of our Barn Dwallow. Margosalubig, southern Mindanao, August 16, 1906. Jangfang, on Dunangulas Bery, Southern Mindanao, August 17,1906. Anala, western Mindunar, Conquest 37,1906. (debu, (cebure) sland, Le, lember 3, 1906. Martan (2) sland, of the sost coast of luche Island, Vefetenter 3, 1906. Conjo Island, Delu Dea, Depterubre 10,1906. Lefer colony, Calama Vian Deland, Defilonder 13,1906. Davas, southern Mindanas, June 13, 1904 Tagulaya, west obors of Davar July, southern Mindanao, June 14, 1904. Davao, southern Mindanao, July 16, 1904

(Sheet vin.) Hirundo javanica Sparrman. Camp Overton, northern Mindanao, July 9, 1906. Camp Overton, northern Mindanao, May 7, 1906.

(Sheet I.) Hirundo striolata Boiso. (d) large number was seen on the Laray River, mear Dengina, Flores Morle Province, Lagon Jan 16,1907.
(Ubundant on the Laray River from Dingras to Laray, January 18, 1907.

German on Broang Lake, How Moste Por mer Lagon, Jon. 37, 197.

One seen on the Dea bruch near Davida, Flores horte Province, Luzon, Gebruary 15, 1907. Hlooks from Bojcador to Paseignin, on rivers and sea brackes, Floors Norte Province, Luzon, March 9, 1907. Done alighted on a tree. Hock noted in the base of Mount Mayon, Logasfie side, at the aftitude of 2500 feet, (e) Chair Trovince, Luyon, March 28, 1907 Abundant at Danto Doningo de Baseo, Batan Doland, P. J. , May 27, 1900

16 min Sincer I. 514. Siphia philippinensis (Sharpe). Lake Lanas, Vilridanas (citilide 2000 foot). Stat., 1903. Camp Inegg, Pangasinan, Luzon, July 29 and 30, 1905.

Oan Didso, Nevaleija Irovince, Lizon, Nov. 27, 1905.

Camp Stolsenberg " " 28, ".

In the lets book in the Lacag River, below Larag, Hores. Horte Province, Luzon, January 16,190%. Dingrax to Podsan, Flores Horte, Lugan, January 14. Two moted on trail from Savay Lake to Lavag Febr. 5, ,, Of Magfartian, Horos Worle Leeyon, Feb. 15 to March 9, 1907, this brantiful flycatcher was more common than I found it elsewhere, several bring seen abnort daily It was usually seen in the forest or in half-wooded country, often along streams and woodland trails. From my Wagfartian notes: " 6 Seen Feb. 26. The male of a pair seen together sung a pretty little ditty. Colways found in shady places, not in openings. I hots are mearly always had at too short sanges. Naghartian to Vintar, Gloson Worte, Luzon, Tunich

Ceyornis mindorensis Mearns. Mindow Red-brasted Hlycatcher. Ceyornis mindornsis Mearns, Philippine Journal Type locality. - Alag River at 500 feet attitude, Mindoro Island, P. J. Deographical distribution. - Unidoro Island. The type, No. 14519 Ead., Dec. 1, 1906, was the only spicimen taken. Me Dregor took on on the Rio Baco, near sealevel, Mindoro.

Hemiebelidon griseistieta (Swinhor). Santo Tomas Mountain, Benguet Province, Layon, Dee) Warmp John Hay, Berguet Province Luzon, April 8, 1907. Specimens taken, in Window, at: No. 14526 fad., Camp no., altitude feet, at prinction of and Alag ruvirs, Dec. 4,1906; 1454/Bad., Subaan, Dec. 5,1906 When ofirst explored ( Inlune Voland, ) farmary 21, 1906, it was not seen; but I collected a specimen On the linghest hill, Oxlober 7, 1906: No. 14391, Fad., October 7, 1906, Palmas Osland, F. D. This specimen is Balut Doland, Darangani group, of Douthern Mindanao, January 23, 1906, when I collected a speer men, which leaptain Xtordon Johnston, W. W. Clamy, shot, at the altitude of meanly 2000 feet. Mr. Horace Fletcher shot one on the lower Catel River, cast Mindanao, October 5, 1906.

Rheit I) abundant on Fangapuyan Island of Mindanso about 12 miles last of Zamboanga, December 11, 1903. as usual these birds were found only in the mangrove trees. It was again noted on Tangapuyan Island on December 19,1903 and February 2, 1904 Cato Soland, Igat Bay, of DW. Mindanao, april 2, 1906. ayala, Mindanao, P. J. april 24, 1906. Plouraint in Attangione swamp at Julay, at the month of the Tubay River, mostlern Mindanao, april 22 and 24, 1904. (Unidant in the mangrives on the coral shores at Baliangao, on Murcialagos Bay, northern Win= = dana o-, May 13, 1904; male shot. Dabella, Basilan Island, January 26, 1906. In descending the River, between camps 3 and 4, northwest Basilan, January 30, 1906, flocks of these noisy little birds were found among the mangroves bordering the it am Mangroves on acastere, been Camp No. 8 and Coamp No. 9 (Musser's plantation), north Basilan, February 21, 1906. , Inear site of Dorey's Camp no. 4, Jan. 30. 31,1906 West coast of Basilan Island, March 3,1906.

(Sheet II.) Verygone shizophorae Mearns. Philippine Mangrove Verygone. River, northeastern Mindanao, Ofril 22, 1904 I saw two Derygones in a mangrove on the shore at Lanang, east Damer, October 3, 1906, which many have bean this species. Mouth of Walaling Priver, near Walabourg, routhern Min-= danao, March 15, 1906. (Panghang, on Dumanquilas Bay, southern Mindanao, August 17,1906 Cabo Saland, Olyat Bay, of south Mindanas, (Unil 2, 1906. Hyala, western Mindanao, August 27,19 ... Duling, east phon of Davao Thelf, southern Mindanco, June 12, 1900 Taliend Island, Gulf of Davas, off southern Mindanas, July 17,1904 Davao, Double in Mindanao, Spiles 18 7. 20, 1901

(Sheet I.) Minseicapula westermanni Sharpe. Topom-piss, Bagalos of Mount apo, Mindanao.
Holed at Baguiri Denguet, Dec. (and 2, 1905. Mot uncommon at Baguer-, Bouquet Province Lugar, Deember / to 12, 1905. Ando Tomas Monntani, Benquet Province, Luzon, December 14,700 121 Kindle in the raid, ofthern Eduquest, many Spile, coticione to, col, i man and and ale usually fereded en in west, in a line to mile, but often flitting whom he took for it en and, recently from "a siest, 1191 seem, and some of Allem whe collected. the line kil, partilled, Brent's Typrole Soleret, at hangue, Sugart. Homed in when 24,1406 to far and 4,1907, and a surwere some on itoused show to do not us on the face with met we mad sint at minu in profite it is a sign . I at altitude . . . , I of were less bill is we will - see and accepace of come us. One at Camp No.5, allitude 4500 feet, on a spin of Mount Haleon, Mindoro, November 1519: This bird nas obot from a treitop, but run nuto a hole among the rocks. It was seen several times afterwards but

Muscicapula luzoniensis Grant. One oven on Mount Danto Tomas, Benguet Province Luzon, December 10, 1905. A few were seen and a specimen taken at Huight s-in-the-oaks, Benguet Privince, Tu, on, Sien of Mount Double Louras, at 7000 feet, Jan. 1, 1407. Muscicapula basilanica (Sharpe).

I shot one specimen of this rare species on Basilan Island. I think it was No. 13939, sex? ad., February 2,1906, taking mean Camp undo and leauf two. 7, taking mean Supo Supo, in the interior of Basilan. It is entered in my field register as "Red-tailed Fily catcher". Tater, I discovered a species of this species in Ul. Me Gregor's Basilan Collection, called Rhinomyras refreanda and pointed it out to Me Gregor.

(Sheet-IL.) Muscicapula westermanni Sharpe Specimens from Mount Malindang, Mindanao, are like the series from Luzon Island (Benguet Highlands).

( Sheet 111.) Hyprothymis occipitalis (Vigors). One at Duling, east side of Davas Sulf, southern Muidanco, June 12, 1904. Davao, southern Mindanao, June 13,1904 Taliend Island, Gulf of Davao, off southern Mindanao, July 17,1904. Davao, vouthern Mundanao, July 18 to 20, 1904.

Muscicapula montigena Mearus.

Mount Apo Hlycatcher.

K'ri-kri or Sal-yb-see'-bon (Bayobo).

Nos. 13658 and 13659, a maled pair, had the pou
= junctiva a brilliant blue.

Lerygone simplex Cabanis. Dagu fran Krier, Pajogasinan Inomnee, Luzon, November 30, 1905 Vien month of Tarag River, Horostorle, Luzon, January 16, 1907. In the Larag River Valley, below Laray, January 19, 1904, I found it in florte in low trees near the river. Water a sweet, fine executingly figh-ficted worble. Common Lavagloller, below Lavag, Hoers Morte, Luzon, Jan. 20-22,1907 January 27, 1907, I found it abundant at Pavay Lake, Hoeox Horle Province, Luzon, where it song its high-fulded song in trees bordering the laits, sometimes descending to lousles growing in shallow water along the margin. La rag Niver and Savag Lake, Flores Worle, Luzon, Febr. 5, 1957:

Behr-Kohs, Bagobos of Mount apo, Wind Sheat I. 492. Hypothymis and Vigors). Indian Black-naped Blue Flycatcher. Ma-ma-na-reeg (Moros of July Ja: 05 1. No 12945. Hyprothymis superciliaris Sharpe. hate's Blue Physatolice. 11 to the second of the second of the second noted at Mali, conthern Mindanas P.D., Co 1922 2. 100. Be-fu Be-lu (Mores Dillingario Ploted Buturan Coming Vicara and Mainter of Titudanao, whole 11, 14,0%. H. azurea was noted at Davao, southern Mindanao, July 15 to 20, 1904. gamboanga, Afril 9, 1906. Obundant at Paritar, Mindanas (altitude 1800 feet). Aug Sig A a gurea was abundant on the shores of the Tubay River, northeastern Mindanao, April 22 to 24, 1904. H. azurea. Comp Gregg, Pangasinan, Luzon, July 2 Jand 30, 1905. Camp Hotsenburg, Luzon, Nov. 28, 1905 (4). azurea). H. azurea - abundant at , Naghartian, olocos horte Province, Leason, 4cb. 15 to Mar. 9, 1907; usually in woodland broids Manjan to Lake Wanjan, eastern Mindovo, March 25, 1907; one Semile who A abundant from Subaan to the Benibi River, lastern Mindovo, Nov. 2, 1907.

Hypothymis azurea (Boddaest). Town Dubaan River, Mindoro, nov. 2, 1906. Benibillton, Mindoro, no. 4, 1906. Speemens taken, in Mindoro, at: Subaan, Dec. 6; Calapan, Dec. 8. Near Vaabella, Basilan Island, January 26, 1906. Near Camp No. 2, west of Isabella, Basilan Id., January 28,1906. Isabella to Camp No. 1, interior of Busilan Jd., Febr. 13, 1906. Camp, No. 1 to Camp No. 2, interior of Basilan Vd., Feb. 14, 1906 Count No. 2 to Count No. 3, at Tipu Tipu, Basilan Id., Feb. 15, 1966. Campe No. 5 to Camp No. 6, south Basilan, February 18,1906. Near Gralusa, west Basilan, February 19, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1966. no. 13980, Bad, was shot at Musser's plantation, near Isa = = bella, Basilan, Feb. 22, 1906, when it was quite common Manay, east Mindanao, October 6, 1906. Melville, Balabak Island, October 16, 1906, when Wo. 14441, fad, was collected. Dibutu town, west evast of Dibutu Island, Jamesry 7,1906, when a specimen was taken. One shot man the beach at , I mean nite of Doray 10 camp 4, Jan. 30-31, 1906, west coast af Basilan, Warch 3, 1906. Mindanad, August 17,1906. Cabo Haland, Igat Bay, off south Mindanao, April 2,1906.

(Sheet I.) 497. Rhipidura migritorquis Vigors. Fan-tailed Flycatcher. Maria Capra (Filipinos of southern Mindanao). Int seen at Parter or Mi Holedat Munay, southeastern Mindonae, 3.0., Cointre 23, 1909 Leveral wire seen and one collected, at Bula, on Saran -gani Bay, prutturu Mindanco, Centra 26,1903. One pair seen at Upair soia, on the research & ale, Navenuber 14, 1700; very common around Jolo, Que, EVO= = 1 mb , 21-26, 1903; rome pour rece de lagliste, Suise, November 2002 121, 200. Common as Jolo, Suin, Nov. 2011. (Moundant at Jamboanga, Mudanao, P. D., December 2,1903 Noted at Buluan, southern Mindanao, P. J., January 31, 1904. Leveral on Bulwan Island, off southern Mindanao, Febr. 1, 1904. . Leen on the island of Banga (Port Banga) off southern Mindanas February 1, 1904. Jambourga, Mudanao, February 3, 1904. House cat on grape arbor in basil-yard. I Hantail came and Merealened the sleepy out, flerled its tail clust in Jussy's face and even had the Then Hardaul flew to the loop, and was seen no more.

For trained Filipeato Cer. [10] (Sheet II.) 4914. Phipidura nigritorquis Vigora. noted as common at Dipulog, northern Mindanao, J. J., February 2 14,1904. noted at Lubungan, northern Mindanao, February 14, 1904. Several wire seen on Dulu Viland, P.V., between the residence of Datto Uparand his market at Bual, Feb. 21, Cloundant at Cottabato, in the This Grande Valley of conthern Mendanao, March 3 to 5, 1904. Secret were seen in bamboo along streams between Rayayan and Malungan, Taraca Valley, april 4, 1904; also at Halanan, on the When Taraca Trover, While 6, 1901; Artedon the Buluga Tower, middanao, may 20, 1904. At Buluan, on the bamboo along the Buluan Ruir, Mindanao, May 20, 1904, I noted several of these Flycatchers, one of which was seen to chase a lerow, which led me to suppose the Filycatcher to be have been brieding. He song is a little bit squeaky, but many notes are as soft as thouse of the american Calbird, which both the Dong and habits of the fan-tailed Algeateles bring to mind. Noted at the Malala Kiver, and at Simpitan, near Lake Buluan, Mindanao, May 24 to 26, 1904. Noted on the Quelean River, from Bulean to Pandog Of sicially numerous at the latter place) Way 27, 1904 at Durigao, northeastern Unidanao, april 20, 1904 a Mair of Han failed filycatchess worried a crow that flow away with what appeared to be a small egg on its bill.

(Sheet III.) Khipidura migritorquis Vigore. Han-tailed Flycatcher. July 24th 22, ... " Jamboanga, western " Jan. to March, 1906 " Jolo, Dulu, P. D., March 26, 1906. Singing. Olways abundant at Zumboanga, Ulindanao. Ayala, Mindanas, P. J., april 24, 1906. Barak and Geranaya, Rio Grande Valley, Mindanas, March 8 - 12. 12 11. Mph. Liburgan River, east of Cottabalo, March 12,13,1900 Baliangao, Murcialagos Bay, nor thern Ulindanco, May 13, 1904. Camp Viring, Sangasinan, Tuzon, July 27 and 30, 1905. Clamb Bidro, Niceva Ecija Province, Lufon, November 27,1905. Camp Stotsenberg, Camp Stotsenberg, Camp Gregg Panyasinan Province, ", ", 29, ".
Dagupan, " ", ", ", 30, ".
Cozorrubeo, ", ", ", ", 30, ". " 29, ". From Pozorruber to Dagupan, " , " , Dec. 14, 1905 Dagutan on Bayambang, Pangasinan Novince, Luzon, Dec. 15, 1906. Camp Jossman, Island of Dennaras, December 2:4,11. Common on Danni Island, Dulu Dea, January 4.

Common on three shall, booded islands of the o outhern extremiting of Debuter Island, January the Terrima o la Laray Slocas Morte Province, Luzon, January 19. 2.12 Very abundant in bumboo bordering roads believe an Large and the rier mouth, January 16, 1907 Livaglo Dingras floers Morti, Luzon, January 16 196%. Very abundant from Patesansto, Mocos north Province, Lugan, at dropa its unique, jentia its lail up and them lowers it slowly, Ata Gall is a rough whish. Roundant from Dingras la Lavag, Florestroite, Luzon, January 18, 1957. " in the Lang Mirer Valley below Lang in ", La vor Valley, below Lavay Alores Hoste, Luzon, Jan 20-22, 1900 " from Lavag to Vintar Lake, do "23-24"
" everywhere from Lavag to Garay Lake, do "27/2"
" " Nagharlian, do Hebr. 15,1907.

albundant at Nagharlian, Hob. 15 tollar. 9,1907. " from " to Lavag, do , March 9, 1907. One attucina, southern Legon, March 30, 190%. In tot brunbon from nagellian to the coast at Dan Kernando, Harto 20,1907 Commonat Dan Hernando, Lalling Province, Luzon, May 20-25, 190%. Apari, northern Luzon, May 29, 1907. Province, Tuzon, June Gand 5, 1962

Rhipidura nigritorquis Vigors. (Sheet V.) Sarangani Island, off southern Mindanao, January 23, 1906 Near Isabella, Basilan Island, January 26.19 3. Camp No. 1 to Ceamp No. 2, Basilon Island, January 28/1. Camp No. 3, Basilan Island, January 29, 19:0 Osabella lo Camp No. 1, interior of Basilan Id., Febr. 13, 19 16. Malusa, west At Basilan, Fibruary 19, 1906. Burengo, Catubig River, north Samar, October; 190's. Bucas Island, off northeast Mindanco, Oslober 4, 1906, when one was shot! Lower Catel River, east Mindanao, October 5, 1906. Dulu Island from Jolo to Bud Dajo Peak, October 5 11, 1906. abundant, singing swirtly, on Diasi Island, October 12, 1906 Sibutu town, west evast of Sibutu Island, January 7, 1906 Siatu, Siasi Island, January 9, 1906. Maia-cap-ah, L East Bolod Island, Sulu Dea, January 10, 1906. West Bolod Island, Dulu Dea, January 10, 1966. Jolo, Sulu Island, January 9, 1906. Jamboanga, Mindanao, January 12, 1906. O Dulu Island, from Jalo lo Mainebien, Bud Dajo, Crater Lake, and Diet Lake, March 1 and 2, 1966 , Inear site of Dorey's Camp no. 4, January 30-31, 1906 west coast of Basilan Island, March 3, 1906. Lower Riv Grandl, southern mindanas, March 15, 1906. Pangfrang, on Dumanguilas Bay, southern, Mindanao, August 17, 1900.

(Sheet VI.) Oxfordera migritorquis Vagors. Ayala, western Mindanao, August 27, 1906. Common on lango Mound, Nuturdia, Deple utin 10,1906. Antipolo, Rigal Browner, La you, September 21,1906. Dulug, east whore of Davno Thelf, southern Mindanar, June 12,1904 Taliend Island, Sulf of Davas, of southern Mindanas, July 17, 1904. Davao, southern Mindanao, July 18 to 20, 1904. Cotabato, southern Meridando, July 23, 1904.

498. (Rhipidura erjaniceps (Cassin). January 17, 1907) One hair at Pudsan, Places north Province, Sugar, Roundant at Magharlian, Hoeve norte Province, Luzon Feb. 15 to March 9, 1907; usually, in pairs, in wooded country, of tim in the heavy forest or in this states strips of timber along streams; the usual note of This beautiful fan-tailed Alycatcher is a smellering similar to that of the differente of the gener Eutanias; in addition to which it litters a lond call and various other notes. at Haight's-in-the-oaks, northern Benguet, Lugon, this very attractive flycoloher was abundant from Andy 20 to august 3, 140%. Its agiverel- like or interino, and its flisted lail and half-spread wings wake it a conspicuous feature of the oak-woods avifauna. Quite common in fine woods in the vicinity of tamp John Hay, Buguet Porviere, Luzar, of rom 4500 to 5000 feet altitude, l'éturen December 24, 1906 and January 1, 1907.

Mifidure microcis como a (Sheet I.)

Bagobos, of Mount apo, Mindanso.

Phinomyeas

This species was ignile numerous around Pantar, Mindanao (attetude 1800 feet) in august and depluder 1903 (This species is not refrienda (type locality Bandar) but is closely related to the Samar form (res specimens of the latter in USMAN)

Tibas, Tibungan Valley, east of Colabato, March 12, 1704.

(Jano pang, in Die in 19: dar Burg, southern Mindanao, Cinguis.

Rhinomyias
Ceommon at Burengo, Catubig River, morth Samar,
Oelober 1, 1906; also seen at Lanang, east Damar,
October 3, 1906.

(Sheef.I.) (Khinomijias ruficanda (Sharfe). Jaabella, Boorlan Island, January 26, 19615 Ceamp No. 1 to Campleo. 2. Basilan Island, January 28, 1966 Parabella to Coamp No. 1, interior of Basilan Island, Fieb- 12, 19015. Ceamp No. 1 to Camp No. 2, interior of Basilan Id., Fieb. 14, 19015. Camp No. 2 to Camp No. 3 (at Tipu Lipu), Basilan Id., Fict. 15, 1906 Near Malusa, west Basilan, Fibruary 19, 190%.

Zeoce: hus cinnamonneus Hartert, Sharpe. Cinnamon Hlycatcher. Il single specimen of thes lord was shot for me by Firstenant Variet Mr. Acheston, Sovenleette Infantry, U. D. Comy, on the small island of Taliend, off Samal Island, in the Gulf of Davas, Mindanao, P. J., Duly 17, 1904. Unfortunately its head was carried away by a 45-caliber justol bullet. This specimen was No. 13714, 3 aci. no meas= - serements were taken from the fresh opecimen.

Eulicecapa helianthea (Wallace). (Smet I.) Olive-yellow Philippine Flycatcher. This bright yellow-billied Fily calcher was not uncommon at Pantar, Mindanao, during the months of august and September, 1903. On a dry watercourse near Mataling Falls many were seen and one shot, September 29, 1903. Its habits are quite lesse those of the genus Empredonax in Mer United States.
Bued River Canyon, above Twin Peaks, Dgc. 1, 1905. Near rumit of mount Daulo Tomas, Benguet Province, Luzon, at about 7000 feet, December 10, 1905. Louest Ruin Campor, between Colgous and Camp no.4, December 13, 1905 (See-liex-Kiss (Ogoroles of Bouguet). 1/1 12 m 1) my 20 to Chaguet 3, 1909, 1 1 11 11 and were at seen in the oak woods near the home of Mr. Day Hay Haight, in northern Benginet, Chaplain Joseph Clemens, collected it at Camp, Kuthley, on Lake Lanas, Mindanas.

(Paradoxurus Hospital Sergeant Cook, Uslamy, showed me a good okin, which he had coldaned Iron Mataling Halls, on the Vicars-Malabang wagon-road, a few days prior to October 9, 1903. Kal-lee-to-lee-to, Bagobos of Mount apo, Unidanao. 5! Stoparola (curinio: "a agensis magriforis (Hartert). Palue-gran Til pooletie. wouth Myo OHack- tred Hyreats in. Two from W.t. Malindang are like one in the Bureau of Derince collection from Utr. Cipo, except that the blue extends farther back whom the belly; but the difference is slight, and it may be individual.

Cumpias migrimentalis (Grant). Viite numerous at leavy no. 5, on a spur of Mount Haleon, Mindoro, at the altetute of 4500 feet, november 13 to 17, 1906. Common at Comp no. 6, altetude 6 300 feet, Mt. Halcon, Mindoro, Nov. 17-22#1906. Common at the Mangyan house, between camps 4 and 5, attitude 3000 feet, mount Haleon, Mindoro, November 26-28,1906. Specimens taken in Mindovo, at: Camp 710.5, alti-= tude 4500 feet, nov. 14; Camp no.6, alletede 6300 feet, Nov. 17 and 19; Camp No. 8, Mangyan house, attetude 3000 feet, Nov. 27, 1906.

178 (Sheet 1.) a fight rides Cuckoo-Shrike. Granealus? 467, artamides guillemardi? "No. 13339. Drancalus, -ad. Ceamp near Ceratir Fire, Sulu, P. J., November 15, 1903." noted on the island of Seele as follows: Between Hassan's and Upa's places, November 14, 1903; between Seet Lake and Crater Lake, November 15, 1903; at a camp beside Hassan's (swamp, at the foot of lerater Mountain, Nov. 15 to 18,1903. He flight is confit was its in . Dome were seen along the brack between Tiglibi and John. Nov. 21,1903. Deen at Golo, November 21-26, 1903. On artamide was near belingen Halabang and Complicaes, i'c.s. Based on spicemen no. 13, 339, I got the following from Richmond: "Dranealus (Catterfiller Shrike): a dark slaty bird, with black wings and tail. Bird larger than a Robin. This Trancalus is a member of the family Campephagidae, all of the species of which have the Seathers of the rump stiffened—that is the shafts are stiff. Another member of the family is Talage terat: Several were noted, on Sulu Island, and But Dajo Plak, and one on the apex af Bud Dajo October 11, 1906. Julie Island, from Jolo to Mainibian, Bud Dajo, & rater Lake, and Dict Jake, March 1 and 2, 1906.

Artamides Rochi

Mr. Marquis L. Robb gave me a specimen om Fambounga. from Jamboanga. Experiental Farm at Dan Ramon, Zamboanga District, Mindanao, P. D., March 23, 1906. The eflight and actions of the birds reminded me of Maxmillian's nuteracker. One seen at Lambourga, Mindanco, P. J., Ofril 9,1906 In baz, Libringan Valley, east of Colabalo, March 12, 1904, Mear Habella, Porasilan Valand, Gamas ja !! Sife Vipa, interior of Basilan Island, Hibrary 3, in. Camp. No. 2 to Camp No. 3 (a to Tipu Sifu), Basilan old., 15. Musser's plantation, mear Isabella, Basilan, Historia. Manay, last Mindanao, October 6, 1906, 1 un 111. florace Fletcher shot No. 14379, fad. Iris yellow.

(Sheet I.) Artamides Striatus (Boddaert). I did not find this species as high as Haight's place, in northern Benguet; but it appeared it Tuck ayan as I returned to Baguio-Benguet, at Mu allitude of 6000 Clout 10 of these now; and stuting brids were seen at Casequiran on the cast wast of the on June 1, 1900 Base of Mon LA Mayon, Sabato side, Olbay Province Luzan, James 14, 100 =

Artamides mindorensis Steere (Sheet I.) Window Euckoo-Shrike Lower Lubaan River, castern Mindovo, Nov. 2, 1906. Clag Wirn, Mindoro, Nov. 5-8,1906. One family at the Mangyan bouse between camps 4 and 5, altitude 2000 feet, Nov. 26-28, 1906. On November 29, 1906, a pair appeared at Camples 3, altitude 2250 feet, Mount Haleon, Mendoro One was shot. The male returned to the same tree und uttered loud, squeaky, 3-syllabled notes. Specimens taken in Undoro, at: Camp 710.8, Mangyan house, attitude 3000 feet, Nov. 26; Camp Vo. 3, altetude 2250 feet, Nov. 29; Subaan River, 5 miles wast of Dubaan, Dec. 5; Subaan, Dec. 5- and 6, 1906.

(Sheet I.) Hotamides dificiles Hartert. At a Tagbanoa village, 5 miles intand from Bona Bona, Dan Antonio Bay, cast Palawan, October 17, 1906, I saw a pair together in a grove and shot specimen no. 14440, fad. Ins graybrown, Bill plumbrous-black. Feet and claws plumbrous.

(Shee I.) 483 Lalage First (Bottom) Lia Cherry the Million The state of the charge in the Coserved at Makar and Buia, on Darangeni Bay, southern Mindance, October 26, 000 Common mar Jolo, Sulu Osland, November 21-26 1903; also on other parts of the school, November 12-20,1903. Houndard on Dungdung Island, of Suin, G. J. Moromber 25, 1924. " at Lamboarga, Mudango, P. I., December 2, 1903. " Pangapuyan Island off Mindanao about 12 miles east of Damboanga, December 11, 1903; again noted December 19, 1903 and February 2, 1904. Olbundant at Dalis Hasin's place and on the last six miles of the Cobasaran Kriver, southern Mudanae, January 31,1964. Noted at Tubungan, northern Mendanao, Feb. 14, 1904. One was seen on the island of Eagayan Dulu, in the Dulu Dea, Fromany 26, 1904. Abundant at Collabator, southern Hundanao, March 3 to 5, 1904 Noted at Malabang Allindanas, P. J. 111ach 31, 1992. Our was seen near (about) Mataling Halls, Sept. 29, 1908

Talage dominiea (Müller). Pied Cuckoo-Shrike. Note in some numbers at Malabang, Mindana, Oct. 7-9, 1903 Noted at Datto Grande's place and at Camp Buting (above Mataling Halls), on the Vicais Malabang wagon post, Oct. 6, 1903 Noted on the Buluan Reir, connecting lakes Buluan and Leginasan, Mindanao, May 20, 1904; also noted, when descending the Buluan River, from Bulean to Lake Liguasan, May 27, 1904 Some were acen at (Pandog.) Seen at San Kamon Farm, Zamboanga Sistrict, Mindanao, J. J., March 23, 1906. Seen on Malanipa Island (Grande) of D. Mindaneo, Chril 1, 1906. always abundant at Zamboanga, Mendanas, P.J. Agala, Mindanao, April 24, 1906.
Labar Libungan Valley, Cart af toolabato, March 12, 1904.
Libungan River to Deranaga, mindanao, march 13, 1904.
Darak, Rio Grande Valley, Mindanao, March 9, 1904. Woled on Lake Linas, middle agusant alley, Mindanas, May 8, 1904 Taliangao, on Murcialagos Bay, northern Mindanas, May 13,1904. Camp Pregg, Pangasinan, Luzon, July 29 and 30, 1905. Dan Fredro, Nueva Ecija Province, Luzon, November 27, 1905. Camp Stotsenberg, " 28, " Camp Gregg, Pangasinan Province, ", " 29, " Dagupan, 11 30, "

(Sheet III.) Lalage dominica (Müller). Camp Joseman, Island of Trumaras, December 30 17 5 Dammi Island, Dulu Dea, January 4, 1906. Abundant from Currima o la Lacaci Niver de Jamis, 1922. Lavay lo Dingras, Horas Norte, Luzon, January 16/1957. aboundant from Dingrasts (Padsyn, do " 12". " ni the Lavag Valley below Lavag, do In a " " to Vintar Lake, do "23-24" and 41:60.5,5

La vag to Cavay Lake and on the lake, too "27,5",

Abundant from Lavag to Nag parlian, so Flor. 15, 1997. Burdett Manganes elline, WW. extremity of Luzon, " 19, " , Uneommon at Wagfartian, Hoeos Worte, " 716.15 to War 1, 1909. Common from " to Larg, do , March 9, 1967. L'aquipante Swin Peals, Pangasinan Inome, Jugon, I recule 23, 1906 Common on the Olope of Mount Mayon Legaspi side uf to 2500 feet altitude, colbar Inovince, Leszon, March 28 Noted at Jabaco, albay Province, Luzon, March 29, 1907. Nagillian River, above Magillian; also at the town of Nagillian, Luzon, though 19 and 20, 190% Camp Wallace Lallmon Inverse, Luzon, May 20-25, 1907. Tiliotot Springs, mear Sibi, southeastern Luzon, June 3,1907.

Mya-ea-fra, Hilipinos of Bamboanga. (Sheet IV.) (Entrellus) Lalage dominica (Müller). It sase of Blount Mayon, Tabaco side, Celbay Trovince, Luzon, June 4 and 5, 1907. Lower Subaan River, Lastern Mundovo, Nov. 2,1906. Specimen; 710.14579 fad. Loolapan eastern Mindoro, Die. 8, 906 Wamp no. 1 to Comp no. 2, Basilan Toland, January 28, 1931. Malamani Island, off Basilan Island, February 13, 1906. One on the Jumahobang River, south Basilan, Feb. 16, 1906. Malusa, west Hundoro Basilan, February 19, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1906; Specimen No. 13977, Ead, Rollicted. Musser's plantation, near Isabella, Basilan, Feb. 22, 1906 Cestrellus calls it: Mya-ca-pra. Wire was shot by Teneral Wood, on the lower Catel Kwir, last Mindanao, October 5, 1906. Abundant on Xulu Island, from Jolo to But Dajo, and several on the open of Bud Dajo, October 11, 1906. numerous on Diasi Island, Oct. 12, 1906; No. 14404, Fad. Very common on Loran Island (off Moian dd.), Celobre 12,1906. Common, October 15, 7906, on Cagayan Dulee Island. I shot one but did not skin it. Numerous on Dimaluc Island, of Jawi Jawi, Jawary 8, 1906. Sulu Island, from Jolo to Mainbun, Bud Dajo, Crater Latte, and Diet Latte, March land 2, 1906. , Dorry's Camp 4], west coast Basilan Island, Murch 3, 1906.

(Sheet V.) Talage dominica (Muller). Parang Jarang, southern Mindanao, March 14, 1906. Wotabato, southern Mindanao, March 15, 1906. Malabang, conthern Mindanas, March 15, 1906. Tangfrang, on Dumangi das Buy, southern Mindanao, August 17,1906. Ciebo Diand, Tyat Bay, off south Mindanas, Chril 2, 1906. Agala, wistern Mindanar, (inquest 27, 1906. Two pere seen on Fractan Visland, off the oust erast of Columbia. Doland, Doftember 3, 1906. Common, aprenien faken, Contyo Doland, Dulustea, Defleuber 10,1906. Duling, east shore of Davao Shelf, outhern Mindonao, June 12, 1904 Davao, routhern Mindanao, June 13, 1904. Valiend Island, Sulf of Davao, of Southern Mindanao, July 17, 1904 Devao, southern Mindanas, July 18 to 20, 1904. Cump Overton, northern Mindanao, July 9, 1906. Eunif Overton, northern Mudanao, May 7, 1906.

Lalage minor (Steere).

Camp Connell, west coast of Damar Toland, Dept. 5, 1906; 2 seen in a.

No. 14181 is a Semale of this species from Mount
Malindang. Salso saw a pair at Camp Commolly,

Samar Island, which I at first mistook for Lalage

melanoleuca.

melanochlangs Sharpe. (Sheet I.) 464. Trene s to reaper shirt, of having elicity of the Moros of Pantar called it Kah-tee-taa-goo-mah. Mear Fabrilla, Basilan Island, January 27, 1906 Near teamp no. 2, west of Isabella, Barren Island, January 28, 1906. Between Camp No. 2 and Camp No. 3, Basilon Vd., Jan. 27, 1900. Camp No.4 lo Coamp No. 5, worthwest in resilan, January 31, 1706 Curialarang River to Camp. No. 6, interior of Basilan Island, Hiebruary 1, 1906. 10.13938 was collected between Coming No. 6 and Comp No. 7 (near Tipo Sipo), in the interior of Basilan, Hibruary 2, 1906. Tipe Vife to Camp No. 8, neterior of Basilan Id., Fisternary 3, 190%. Camp 1 No. 8 to La Mitan, noi le Basilan, February 4, 1901. Dabella to Coampe No. 1, interior of Basilan Island, Heb. 13, 1906. Comp. No. 1 to Camp 20.2, interior of Basila Ad, Het. 14, 1906. Camp. No. 2 to Camp No. 3 (at Sipu Sipu Jipu), Basilan Id., Feb. 15, 1906. Jumahobang Ruer, south Basilan, Feb. 16, 1906. Buli Buli Krier to Camp No. 5, south Basilan, Feb. 17, 1906. Camp No. 5 to Coamp No. 6, south Basilan, February 18, 1906. Near Malusa, west Hondon Basilan, Mebruary 19, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Hib. 21, 1906.

Dole everetti Twerddale. Everett's Yellow Bulbul. Roted near Malaling Halls, Mindanas, March 31, 1904 Taken at Pantar; Moro Came: Ko - 100 - yreh. Deveral pairs were noted at Burengo, Calubig River; morth Daman, Ortober 1,1906, when to 14330, Sad, was collected. Abundant and noisy on Bucas Island, off norheast Minda nav, Octobri 4,1906, when three were shot. Specimens 14354 and 14355 were a hot by General Wood; anigs sweetly at evening. Dulag, east coast of Leyte, July 25, 1906.

Jole haynaldi Blavius.

(Sheet I.)

(Sheet I.)

This large, moion but but was quite & ourmen at Tatán, Tawi Jawi Island, January 8, 1906. Sulu Island, from Jolo to Maintein, Bud Dajo, Esaler Lake, and Diet Lake, March 1 and 2, 1906.

(Sheet 11.) Lole mindovensis Steere Specimiens laken, in Mindoro, at: Lourn Subaan River, Nov. 3; Camp no. 1, Benibillion, Nov. 4; Camp No.3, altitude 2250 feet, Nov. 10 and 11; Ceamp Wo. 5, altitule 4500 feet, Nov. 14, 15 aml 16; Ceamp no. 9, at junction of and allag moins, allilude feet, and Clay Dec.1; Camp no.11, at junction of rivers (1ct crossing of the alag), Dec. 3

Dole rufigularis (Sharpe). Near Sabella, Basilan Island, January 26, 1906. Near Camp Vo. 2, west of Isabella, Basilan Id., Jan. 28, 100. Camp No. 4 to Camp No. 5, northwest Basilan, Jan. 31, 1901 Tipo Tipo lo Camp No. 8, interior of Basilan Island, Tibruary 3, 1911 Ceamp No. 8 to La Mitan, north Basilan, Hebruary 4, 1906. Daabella to Camp No. 1, Interior of Basilan Id., Feb. 13, 1906. Buli Buli River to Camp No. 5, south Basilan, Feb. 17, 1906 Camp No. 5 to Camp No. 6, south Baselan, February 18, 1906. Near Malusa, west Basilan, February 19, 1906. Camp No. 8 to Camp No. 9 Musser's 1, north Basilan, Feb. 21,1906; specinien No. 13972, fad., collection Common at Musser's plantation, near Isobella, Basilan, Feb. 22,170', , Inear site of Dorry's Camp4, Jan. 30, 31, 1906) west wast of Basilan Island, January March 3,1906.

(Sheet VI.) Jole Milippensis (Imelin). Taliend Irland, Gulf of Davao, off southern Mindanao, July 17, 1904. Davao, southern Mindanao, July 18 1, 20, 1904. This Bulbul is a mimie and imitates parrots and other brids; Dulag, east coast of Leyte, July 25,1906.

3/2 (Sheef I.) El-ka - Bond - 20 Course & Tanner and By-ah-ko, Bagobos of Mount apo, Mindanao. Woled at Davas, southern Mindanas, October 20 . 19. " , Santa Maria, morthern ,, February 17, 1904. Conflain F. R. Mc Coy noted these birds as a vieging in The Auduntaries beliveran Davas and the Wadwaters of the alif River, in southern Mudanao, early in June, 1904, Minted from Comp Vicare to Souis, on Sale Lanas, Mindanas, Copies in 191 Noted on Lake Lanas, between Souir and Rogayan, april : , ago in motion at Waring Coli ; and from Camplineaux To Malabange; Decn at Marahui, Minidanao, September 27, 1903. Seen at Camp Vicars (altitude about 2900 feet), Mindanas De plineber 28 and 29, 1903; also believer Camp Vicais and Mulabang, Deptember 29, 1905; also at Malabang, Windan-= av, October 7 to 9, 1903. Some were acen between Parang and Lake Buling, Min = - danao, September 30 to October 6, 1903. On the Buluan River, connecting lastes Buluan and Legisasan, Mindanas, May 20, 1904, it was noted as numerous and sing;

Pole philippensis & Twelin). (Sheet II.) Philippine Streaked Bulbul. Noted at Bacuay, northeastern Mindauro, Ofici 21, 1701 At Davas, Southern Mindanas, July 15 to 20, 1904, It was noted as "very abundant, in flocks; imi = tates (Parrots and other birds; very nowy, but sings swertly." Seenat the Government Experimental Farm, at Dan Kamon, Lamboanga District, Mudanco, March 23, 1906 Ayala, Mindanao J. J., april 24, 1906. Washas, Tibungan Valley, cast of Colabato, Tranch 12, 140 Nativa, Agusan River, Mindanao, May 6 and 7, 1904 County Mogg, Langasinan, Luzon, July 3 gand 30, 16 5 (Sut four wire som Mu (region courounding) (Benguet Province, Luzon, Dec. 1-12, 1905. Summit of Mount Santo Tomas, Dunguet Province Luzon, December 10, 1905. Bigging Trail, above Colgan 2, Buck River Valley; Luzon, Dieember 13, 1905. Loud Ruit along Bonguet Hagon Road, Lugen, 215, 14,1963 (Padsaw, Moore Norte Bornier, Luzon, Jengeary 17, 1750 Burdett Manganese Mine, M. extrement, of Luzon, 7116 , 19, 1900: In the vicinity of Nagpartian, Llocos north, Luzon, from

[Abundant at Naghartian] (Shoct III.) Heb. 13 to Mar. 9, 1907. From my notes: In a single tree on the outskirts of Nog partian, Feb. 16th, about 100 were feeding, singing, or noisily quarreling." terminon at realerel, from Bogardor to Lairla and Vasuguin, Alocos North France, Luzon, Munch 9, 1900 Trot noted in the oak gone at Haightes-in-the -oaks or there De quet, July 20 to august 3, 1907, it for in probable that the finite on which it feeds are to scarel. Pozorrubeo la Nivini Peaks, Lugen, V comber 23, 1906. Commenter win Praka to Contigues; rover from Contigues to Count Note Hay, & eventin 24,1908. (1) 2 pomber 31,1900 and Jamany 1,1907, O found it Very abundant on Mount Danto Voins, from 3 000 feet if to the actual summet. being nowy. Compared Ho Cochu pt in Ala underparts are leve striped, e ann. darker, shade of brown on Miroa & darter pand : ore confined to chin and Meroat. Singing at 2500 feet elevation on the stope of Mount Mayon, Legasfi sede altro- (porince, Luzon, March 28, 1907. Province, Fuzon, June 4 and 5,000

Dole philippensis ( Incelin) (Sheet IV.) Three o Kind from mount Danto Tomas, I denguet Province, Luzon, are concurbat different from a siries from Schu Loland. They are slightly larger; the bill blacker; less yellour on feathers of bally; and less obrifed on underparts; whin and throat decher brown; eroum decidedly darker; tail-feathers greener an outer edges. the coast ato lan Hernando, with 19 mi 20, 110%. Common at Casiguran, east good of Lugon, June; Balut Island, Darangani group, October 3: 1000 Abundant, one shot, at Burenyo, north Samar, Och ............ (11 Lanany, inst Damar, October 3, 1906, Ishot 4, two of which (Nos. 14346-7) were preserved. These are much darker than those which I shot on Maelan Island, off Cebu. Voice cat-like mixed with a queaking and loud sweat singing Lower Calcel River, east Mindanso, Odober 5, 1900 Manay, east Mindanao, October 6, 1906 Tole philippenses. - The specimens from Damar and Bueas islands are darker and greener on the back than those from Luzon; also a trifle smaller, with Roused = erably smaller bells.

(Sheet V.) (Moundant on Corregidor Friand, off Manila Bay, December 16, 1906. Panghang, on Zuma iquidas Bay, soutien Mindanas, august 17, 1906. Cato Island, Dyat Bay, south Mindunas, Ofil 2,1906. Hyala, western Mindanao, August 27, 1906. ( a Mactan Island, off eastern Ceeber, September 3, 1906, a form closely related to this opicies, but muntily reparated on account of its much paler coloration was Try memerous. The three promises shot were cale. mi, by ants in my stateroom on the Deward before it had an offertunity to prepare them for precuration. It was abundant and noisy, conclusio sinaria survell, ni eccoa-nut palius; also found in rock hiles conned with perub and vines. County Connell, west evert of Damar Doland, Dept. 5,1906. Antipolo, Mizal Grovince, Luzon, September 21,1906. Abundant at Suling, on the out store of the Dulf of Dava or fine 12, 1904, when no. 13495, fad, albinistic specimen was collected. On June 15,1904, it was fround from the shore of the Gulf of Duvao up to 2000 feet on the slope of Mount a po; Mundanao; specimens 13510 and 13511, 1600 and 2000 feet. Of these two specimens only head, feet, and wing were preserved in alaps

(Sheet I.) Tole mindorensis Steere. Abundant from Naujan, outhe coast, to Lake Naujan, Elastern Mindoro, March 25,1907; sang at night. Subaan to the Benibi River, eastern Mudoro, Nov. 2, 1906. abundant on the Banibi Prior, Mendoro, Nov. 3-5, 1906 Clag River, Mindoro, Nov. 5-8,1906. abundant Arings swratty. Utters a shorp chuck and a great variety of harsh, aqueaky notes. A finit later, noisy, quarrelsome. Very abundant at leauth No.3, on ridge at 2250 altitude, Mov. 8-12, 1906. Abundant on spur of Mt. Haleon, between Camp Us. 2 and Camp no. 3, Mindoro, Nov. 8, 1906. abundant lorrywhere from Ramp No. 3 (2250 feet) As Camp no. 5 (4500 feet) on Wet, Haleon, Mindoro, nor- 12 and 13, 1906; numerous at Comp no. 4, altitude 3300 best, nov. 26-2831905, altitude 4500 ft., my. Haleon. Hrequent, Mough not numerous, at Carup No. 6, altituste 6300 feet, Wet. Halcon, Mendoro, nov. 17-22, 1906. At Camp Veo. 3, attetude 2250 feet, Mr. Halaon, Mindoro, november 29,1906, I heard it utter a loud, Vo. , altitude feet Die 15, 1906. Squeaks when at play; call note suggeste Petrophila manilla ?

(Sheet !) Soliolophus unostiches (Salvad.) Wattled Bulbul. Holed on the Hoper Liberyan River, east of Coolabato, Mindanas, Minich 12 and in Camp No. 2 lo Camp No. 3, Basiland stand, Jones -15 ; At Camp Mo. 3, Barrland Island, Janes Comporto Mon to Conner Ao. 5, no, therest Bushan, frances Vipo Vipo to Camp No.5, interior of Basilan Id. 11. 3, 10. Compo No. 8 to La Milan, north Basilan, Francas, 19 .. Watella to Coamp No. 1, interior of Basifan Vd., Fil-13, 19 6 Juniahobang River, south Pasilan, Juhruan 16, 19: Buli Buli River to Camp No. 5, south Busilon, February 17, 1901. Camp No. 8 to Camp No. 9 (Musser's), north Busilan, her, Figina No. 13982, fad., was collected at Mr. Henry Musacr's plantation, 2 miles west of stabella, Bailar Island, Hebruary 22, 1906, when several were seen. 1 Bucas Valund, Af northeast Mindanao, Colober 4,1906, when No. 14365, Fud, uns collected office of comen is browner (less grayish) than 3 Luzon o King ( See. The Tregor, in Phil. Journ. Dei., II, No. 5, Oct., 1907, p. 238)

Tee-bog-ool, Bagobos of Sodaya, on mount spo, Mindanao.
462. Premietus goiavier (Seopoli illetter : it is it is the state of the The forest hout of a section of the decree to be of the section 10. Particular that , 100, 100, 1000, 1000 in the goravier (Seofoli) the "Glow-vented Vac. ". about for pore neled at Illate, rentiern Himauco, ico in 13 0 2. Noted at Manay, southeastern Mindanao, G. 1, 100 100 200 1. Obundant along the Prio A transle, Mendow - of Colobar 19. " at Davoo, southern Mindanas, October 2: 141. " Makar, on Sarangarii Bay, southern Mindanav, October 26, 1903. Noted at the Moro-village of Malinon, anthone Willindanao, October 25 North side of Lake Tanav, Umidanav, November i. : Moted on the reland of Sulu, as Joseph This S. liman, November 19,1963; from Jaglibi For Jose November 21-26,19 3. abundant on Dungdung Island off Sulu, November 25, 1903. 11 at Zamboanga, Mundanas, Josember 2, 1903. " " Variga purjan Island off Mudarea about 12 miles rast of Jamboanga, 2 ec. += 11, 1903, when two specimens were token; again noted December 19, 1903 and Fishman 2, 1901; Noted at Bung Bung southern Mindanao, January 30, 1904.

I mara milet; Vellout 2 moted it hei. (Sheet II.) 462 (Lyononolus goiavier (Scopoli). noted at Buluan, on the mainland of poutlern Mindanas, January 31, 1904. Abundant at the residence of Latto Salis Hasin, two miles from the Cabasaran River of southern Mindanao, January 31, 1904. numerous on Buluan Island, off pouttern Muidanao, February 1, 1904. OSanga Island (Port Bunga), southern Mindaus, Hebruary 1,1904. Hound at Sambegan, Tambegan Bay, Louthern Muidanas, February 1 and 2, 1901, Hound in abundance in trees of the city squares in Atu town of Jolo, Duly Island, P. D., February 4, 1904 Abundant at De pulog, northern Mondanao, P. J. Flebruary 14, 1904 Abundant at Lubungan, northern Mindanao, February 14,1904 Noted at Alegan, northern Mindanao, P.D., February 15, 1904. abundant at the Subano villages of Sindangan, on Sindangan Berg, northern Mindanao, February 16, 1904. Noted at Danta Maria, morthern Mindanao, February 17, 1904 Many were seen between I atto Upa's residence and his market, at Bual, Duly Island, P.J., February 21, 1904. Thinken o, P. M. March 31,19.

462. Pycnonotus goiavier (Scopoli). (Sheet III.) (Cin the island of cooparyon Sulu, P. J., February 25, 1904, I noted: "In the thickets were plenty of birds that had the appearance and motes of this bird except that I could not descern any white on their heads in the misalispactory glimpses that Toblamed of them. Very common." Irecluded, unquestioned, in my list of lagaran Sulu Island brids. at the Pollock Maral Elation and Dry Dook, southern Mindanao, I seew many of them March 2, 1904; one in the aviary of Coaptain Cooffin, U.S. Mary. Abundant at Cottabato, Rio Grande Valley, southern Uludanao, March 3, 1904, when they were heard singing in the Trees brside the dock, and in thickets behind the town. Moled at Kudarangan, on the Rio & Trande, Mindanao, March 35, 1904 Marila Flinot Division Hovintal, aug. 17-21, 1904. - A pair of the Bulbuls used to sit on telegraph-wires daily, show ; their en sticuously white-tipped outr tail feathers and uttering their cries in cat's voice. Noted at Carin, on Lake Lanao, april 10, 1904; also all along the uregon-road from Camp Vrears to Malabang, april 11, 1904: Noted at Dealella, Island of Basilan, January 19, 1904 Themerous in and about Mavila during July Moted near Marahui, Mindanao, September 27, 1903.

462. Prenonotus goiavier (Scopoli). Lhara Bulbul; Yellow-vented Bulbul. Hotel at Camp Viens (altitude about 2900 feet Safet. 28 + 29, 1903. Noted at Malabang, Mindanas, Cetaber 7-9, 1903. Noted from Sarang to the summit of the south coast mountains at Cararao Pass, and even to the summit of a mountain adjoining the pass which has been named Mount arnold Hague (altitude 6000 \$ 7000 int,. Also noted at Lake Butig, Mindanso, October 5 and 6, 1903. Mumerous on the Buluan River, which connects lakes Buluan and Ligicasan, Mindanas, Man, 201904. especially abundant at the Moro sellement of Buluan. Noted as occurring all along the trail from Buluare to Simpitan, and at the latter place, Ma, 23 to 26, 1904. Again noted as abundant, in descent of Buluan River, from Buluan to Lake Liguasan, Mindanao, May 27, 1904; whe early munerous at Sanday. Mumeroux at Manila, Sept. 1to 20, 1905. Noted at Surigao mortheastern Muidanao, Opril 20, 1904 , loid at Macuay, northeastern Mendanao, april 21, 1904 Noted at Dinagat, Island of Dinagat, april 21, 1904 Abundant in Marila Sept. 20 % 30, 1905. Noted at Jubay, northeastern Mendanav, Opril 22,1904. In ascending the Tubay River, april 22, many were accompleted at Lavas southern Mindauas, July 15 to 20, 1904

(Sheet V) Pycnonotus goivier (Scopoli). Luava Bulbul; Gillow-vented Bulbul. noted at Zamboanga, wintern Mindanato, Buguet !: 170% Some vivere always to be ocen among the trees and Thrubbar, of the courtyard in The Cenny and Wary Club, Manila, during Colober and november, 1905. These indi= = viduals were made secretive and quiet by their pumoundings Very mineerous, in flocks, at the Hovernment Experi-= mental Farm, San Ranion, Zamboanga District, Win = = danao, J. J., Majoh 23, 1906. Margosa Lubia, D. Mindanao, april. 2, 1906. Malanipa Id., of x 1 V. Mindanao Pakril 1, 1906 Olivary very numerous at Lamboanga, Mudanao (9. 5) ayala, Mindanao, P. J., Copril 24, 1906. ( Autre une enemon at Paritar, Mindanno (allitude about 1800 feet), Aug. & Sept., 1903. This bulbul is often commonly scept in cages by the materies, and is easily fed on fruits. I notwick a very attractive one in the aveary of Commander Friderick W. Ceoffin, at Pollok Naval Station and Dry Diver Conthern Mindanao, March 2, 1904,

Libjangan Riverto Gerandia Sphidila, 1904,

Libjangan Riverto Gerandia, 1904, Valley Windanao

March 1-11,1904, Rito Celin Verenaya fort, Windanao

(Sheet VI.) Ric Hidude from mouth of Deranaya estern to. Colabato, March 14: Abundant on Jake Mainit and its outlet, Ahr Subay Kriver, april 22-24, 1904 Daganga to Cohristian (lders heref plantation, y miles) west of Baganga, eastern Middenson, of it to tron Hrom (Ide's plantation west to the River, lastern Mindanao, April 27, 11. On the Bacoco River, a teubulary of the agusan, They 4, 1904, tot this operies was soon for the first Ou the lower Bacoco, May 4 and 5, 1404, it 1000 che. work was from Vingali, on the Baroca-, to Compostela on the Ogusan Oriver, May 5, 1902; also in the upper Olguna River, Oslow Compostela, May 5, 1904 Compostela to Orlan, Ogusan Ruir, Mindanas : 1810. - 1911 Onlar to Pativa, " " Varicella to Lake Linus, Cegusan Valin, Vilindanas /Mar. 8 and 9/1904 Lake Linao lo Valacogen, agusan l'alley, Minuana , Inlacogen to Butuan, agusant alley, Mendanco, May 10 and 1. ( lawan Hur below Butwan, Mindanao, May inter Ginanes, northern Mindanco, May 12, 1904 Lingaran, northern Mindanar, May 13, 1904

(Sheet ver.) (Lyononotus goiavier (Scopoli) Baliangao, on Mureialagos Bay, no rethern Minda nao, May 13, 1904. Hariela, J. D., Carguet 1'f to Teptember 15, 1904 Marieta, July 26-29 and 31 to aug. 4, 1905 Abundant along the Mainla and Dogupan Rollroad between Manala and Camp Dregg, July 29 and 30, 1903. Camp Drigg, Pangasanan, Suzon, July 29 and 30, 1905. Dan Deidro, Nueva Ceija Fromice Luzon, Nov. 27,1905. Ceamp Fregg, Pangasinan Province, Dagupan, " Dagupan, "Ozorvubro fo Twin Peaks, Luzon, .. 030, ... ,, 30, ,, . Juin Peaks to Dagupan, Lesson Des. Dagupan to Bayambang ( Jangasinan Sovince Lugar, ci). 1. 15, 110) Thoilo, Dolandof Janay, Drewn Die Camp Joss man, Island of Jumaras, Diembro ?; Constitute from Curringo to Lucay, Hood Horte, Luzan, January 14,79.50. Veryabillut. from Good to the priviruouth, farmary 16, 1907; La occipto Dingraz, Llocos Norte, Leizon, January 16, 1707. Abundant from Digras to Cadran, Floros norte, Luzon, January 17, 1907. " nitte Lacaglalley brlow Lavag, ale " (1) (9,1907).

(Sheet YUL.) Lycnonotus goiavier (Scopoli). Comment Lange alley, below Larny, I been North Leizon, Jan. 20-22, 1907. Houndand from Large to Paray Lake, do 123 714 11.

11 " Nacharlian, do Vistor 15,1907.

1 3urditt Manganese Mine Wexteenity of Lugar 11 19, ". Nagharlian, Llocos Worte, Luzon, Fieb. 15 to March 9, 190%. " to Lavag, de, March 9, 1907. i que l'in from d'aquipa e la Vivire Prato, isonquet Road, Jugend 10. 23,1906. Arrivate l'en à la Codyans ... " " 24, " l'ile minut a mu d'équépan up to Muin l'aris, a el some. were found in the isuad tring to a mor cas high ast organs. Legaspi, albay Province, Luzon, March 28, 1907. (Moundant on the base of hument Mayon, Legashi sede, up to 2500 feet, albay Province, Luzon, March 28, 190%. Avoted at Tabaco, Albay Trovince, Luzon, March 29, 1907. Obundant at Lucina, vouthern Luzon, March 30, 1907. to a warefronthe Mag Cleaning in gt Megillenie lo the coast at teamf? ailace, Luzon, the the 19and 20, 1: Abundant at Camp Wallace Lallmon Province, Lugon, May 20-25, 1907. One pair hada west in the mais corning an officer's quarters. The young hatched out on May 21st. Next of nubbishy naterials, loosely built, remubling the ... cer y Leteria birius. Composition, lungs, plant stems,

(Sheet IX.) (Tyononolus govaires (Scopoli). bark, horbehair, string, grass, and seawered. The birds were bold, noisy, and entered the house whenever no one was in a poone. Common at Casiguran, cast coast of Luzon, June 1, 1907. Baler, east evast of Luzon, June 2, 1907. Vili Hot Spring 2, near Vibi, southeastern Luzon, June 3, 1907. (Base of Mount Mayor, Tabaco side, albay Province, Luzon, June 4 and 5, 1967. abundant from Nanjan, on the coast, to Lake Naujan, eastern Mindovo, March 25, 1907. Subaan to Benibi River, eastern Undoro, nov. 2, 1906. Speernen: No. 14582 Ed., Calapan, Dec. 8, 1906. Balut Island, Varangani group, October 8, 1906. Haabella, Basilan Island, January 26 and 27, 1906. Camp No. 1 to Camp No. 2, Basilan Osland, January 28, 1906 Campe No. 2 to Camp No. 3, Basilan Island, January 29, 1906. At Camp No. 3, Basilan Island, January 30, 1906. Camp No. 4 to Camp No. 5, northwest Basilan, January 31, 1906 Tipo Tipo to Camp No. 8, interior of Bosilan Island, Feb. 3, 1906. Camp No. 8 to La Mitan, north Baselan, Hebruary 4, 1906. Spatella to Coamp No. 1, interior of Basilan Id., Feb. 13, 1906. Camp No. 3 to Camp No. 4, Basilan Island, Feb. 16, 1906. Buli Buli River to Camp. No. 5, south Basilan, Feb. 17,1906.

( Sheet X.) Tycnonotus goiavier (Scopoli). Camp No. 5 to Camp No. 6, south Basilan, Feb. 18, 1906. Malusa, west Basalan, February 19, 1906. Comp No. 8 to Comp No. 9 (Musser 1s), north Baselan, Feb. 21, 1906. abundant at Musser's plantation, near Isabella, Basilan Island, Fibruary 22, 1906. Very common, one shot, at Burengo, north Damar, Oelober 1, 1906. Common at Lanang, east Damar, October 3, 1906. Bucas Island, off northeast Mindanao, October 4, 1906. Lower Catel River, East Mindanas, October 5, 1906. Manay, east Mindanao, October 6, 1906. On Sulu Toland, abundant around Jolo and on summit of Bud Dajo, October 11, 1906. Diasi Voland, October 12,1906. Deveral on Lovan Island (off Wian Id.), Colober 12,1906. East Bolod Island, Dulu Dea, January 10, 1906. West Bolod Island, Sulu Sea, January 10, 1906. Sulu Island, from Jolo to Maintown, Bud Dajo, Crater Lake, and Diet Lake, March 1 and 2, 1906 , Inear sete of Dorey's camp w.4, Jan. 30-31, 1906 west coast of Basilan Island, March 3, 1906. Malabang, southern Mindanao, March 15, 1906. Cabo Poland, Igat Bay, Fronth Mindanao, april 2,1906.

(Sheet XI.) (Lyononolus Zoinvier (Deopoli). at Cotabato, routhern Mindanao, March 15, 1906, it was feeding in numbers on red flowers of a large tree ; around which it fluctured like Dunburds. Que chased two crows (at once) away from this tree several lines. (Pang pang, on Dumang inta & Bay, southern Midanan, (august 17, 1406. Ayala, wistom Mindanar, Chiquest 27,1906. Mariquina Valley, Rizal Sommer, Lugar, Deflember 14, 1906. C. tutipolo, Mizal Province, Luzon, Leptember 21, 1906. Duling, oast shore of Dava of Tulf, southern Mindanao, June 12, 1904. (Parang Parang, southern Mindanas, March 14, 1906. Dava or southern Mindanas, June 13, 1904. Very abundant, June 14,1904, at Laguelaya, on the west Minra of Davao Mulf, Mindanao, where Mr Bagobos called it Lee-boo! -ool, and Dormar Bolton shot a specimen. No. 13503, Bad. Holed from Tagalaya up to 1030 feet altitude on base of Mount apo, southern Mindando, June 15, 1904 A 1725 feet attitude, verig many were seen June 16, 1904 3350 to 3500 feet on W. Ofo, Mindanao, June 17,1904. Hori of Jadaya Hill, July 10, 1904, 3550 feet on wet apo, Wind. Haliend Island, Davao Sulf, off southern Mindanao, July 17, 1904

(Sheet I) Mucronous mindanensis Sleere Mindanas Harry-tracked Bobbler. Quetter spice of markets on the bulls being falls, Mudanao, Pilarch Chabella, on the Island of Basilan, January 19, 1964 Noted at Simpitan, men Lake Buluan, Mindanao, Man, 24 and 25, 1904. Holed at Suboy, northeastern Mindanas, Spril 22, 1904 Lommon around Lamboanga, Jan. to Copril, 1906. Lake Mainit, northern Mindanas, (Ifril 24, 1904. Many seen, one collected (Lad) at Baliangar, on Murcialagos Josay, northern munda nac, May 13, 1704 Dalut Island, Darangani group, October 8,1706. Lanang, carte Jamar, Cotober # 3, 1906. Lower Calcel River, east Mindanao, Colober 5, 1906. Manay, Cash Mindanao, Coloberto, 1906. Malanipa Island, off south Ulindonas, Cepril 1, 1906 Woled at Bung Bring, southern Ulindanao, January 30,1904. Woled on the Cabasaran Kiver, southern Mindanas, January 30,1904 Woled at Mu Dubano villages of Dindangan, and Mucas, on Sindangan Bay, northern Mindanao, Tickruary 16, 1904 Noted at Santa Maria, northern Mindanao, February 17, 1904. (Langfrang, on Dumangulax) Bay, won there Mindanas, August 14, 140h.

(Sheet II.) Macronous mindanensis Steere. Cubo She land, Sgat Bay, off south Mindanas, Opil 2,1906. Consistemente, west coast of Samuer Doland, September 5, 1906, when of collected No. 14305; & just. Duling, oust shore of Davas Hulf, southern Mindanso, June 12,1904. Davao, southern Mindanao, July 18 to 20, 1964.

(Sheet I) Macronous mindanensis montamis Mearie. Mountain Macronous Misted at Camp Viens, altitude 3000 feet, Whidowno, Oferil 1, 1900 Noted from Camp Vicais (3000 St.) to Souir, on Late Lanao (2000 ft.), afrei 2, 1901 Lake Lanco, near Sour, Illindanco, april 3, 1904. Abundant in Some were seen around the scotar bordering the lowest part of the Duraca Rwin, april 5,1904. Noted in Taraca River as far up as Galauan Noted mear Anahulama's cotta, Janaca Valley, april 7, 1904. Abundant on Latte Lanao, at Sacier, Minduas, Cepril 9 and 10, 1900; ond between Comp Vicais and Malabany, april 11, 1904. Moundant at (Panlar, Mind. (altitude 1800 feet), any + Sept., 1903. Observed at 2000 feet altitute, about Toon cahling, on the alope of Mount afo, Mindanao, June 15, 1904. Jah-go'-saa or Jah-go-saa'-ahn, Bagobos of Mount apo, Mindanao. Ce nest was preserved, from Jadaya, attitude 4000 feet on Mount apo, where two specimens were taken.

## Macronous striaticeps Sharpe.

Trear Danbella, Basilan Osland, January 27 1900 Near Camp Vo. 2, west of Isabella, Basilan Id., Jan 29, 11, 2 4 unic No. 4 to Camp No. 5, nor Movest Baselan, Janua . 31.1900 Commalarang River, and Camp No. 6, interior of Basilan, let. 1,100 Camp No. 6 to Coamp No. 7 (near Tipo Tipo), in the interior of Basilan Island, February 2, 1906. toany No. 8, northern Basilan, February 3, 1901-Ceamp No. 8 to La Mitan, north Basilan, February 4, 1706 Daubella to Carup No. 1, interior of Basilan Island, Feb. 13, 17 10 Camp No. 1 to Camp No. 2, interior of Basilan Id, Feb. 14,10 toampe No. 2 to Camp No. 3 (at Sifu Sifu), Basilan Id., Feb. 15, 1906 Buli Buli River to Camp No. 5, south Basilan, Feb. 17, 1900 Count No. 5 to Camp No. 6, south Basilan, February 18, Time near Malusa, west Basilan, February 19, 1906 Camp No. 8 to Camp No. 9 (Muscer's), north Basilan, Feb. 2:,190 Musser's plantation, near Isabella, Basilan Dei, Fet. 22. 19. Noted in thickets on the hills behind to Town of Asabella, Basilan Island, January 19, 1904. , [man site of Dorey's cant no.4, January 30-31,, 1906] west coast of Basilan Island, March 3, 1906. 194

Morrihla

Liround- 1/2 ways.

When was wounded at Partur

Roled morth of Parang, on a piur botton, Sept. 30, 1903.
Il saur a ground thrush, believe in Come i too. 2 and Camp No. 3, Basilan Island, January 29, 1903, which I entered in my molebook as probably Deverable interferes. The same species was again noted, between Comp. No. 1 and Comp No. 2, Basilan Id., Feb. 14, 1906.

1:1: (SteefT) 428. Miontierla solitaria ( V. S. Philler). and the formal hands Mi the food of lang, and con in the formation of the Hotelate Caken on Persony is they be in Mot un common at Zambranga, Unidanao, P. D. Thire were some on the island of Coagayan Sulu, in Hu Sulu Sea, February 26,1904. a fronter in 134 32 to or the the same and the track the One was seen of the residence of the Sublance of Taraca, Attu Lives in our gard at Bambaan, ... woundly of the Jaroen Ruiser, 1/21 5, 1904. One was need in the America grounds of Buttonia !! One was shot (No usnin.) on a church at Isabella, Basilan, January 19, 1404. Seen in Marila, September 21 and 29, 1905; Oct. 2, 1905; O few of these Thusbus were seen in Manila, especially about the city walls and sometimes on the roofs They were usually young birds. I saw one adult male November 2, 1905, from my wride.

(Sheet II.) Petrophila manilla Boddaert. Oriental Blue Rock-Thrush. Two of these brids, one in plumage of adult male, An other planer colored, were seen on the lile roff offoute my window, at the Delmonico Hotel, November 12, 1905. My attention was altrasted to them by a sweet song, uttered only by the plain-ecolored bird which I suppose to be the penale ( Beautigul maie was seen in I'm old Spanish fortat Chargona Subig S. Mindanas, Chiril 2, 1906. noted at Bagino, Benguet, Dec. 1 and 2, 1905. (Abundant Muoughout Me. Buck River Comyon Luzon. Nov. 30 and Dec. 1, 1905; perching on rocks and cliffs and sometimes alighting on the ground. In the region surrounding Baguio, Songuet Province, Luzon, Dec. 1-12, 1906; I found it not unco; mon, even in Mu pine forests, though it also frequented rock, butilotis. (I't least half were adult londs. O Somal were seen about Frinidad Lake, Benquet Province, Luzon, December 3, 1905. Duminit of Mount Santo Tomas, Benguet Province, Luzon, December 10, 1905, Wende Road and Bued River Campon to Camp no.4.

Strophila manulla Boddaert. Moundant throng & Buck Priver Canon, Luzon, Sic 13:1: Tourd River to Dogutan, becoming scarce lowards Dogut .; it -Ou reenon a house at Pagorrubro, Pagasinan Luzon, Pagasinan Dagupan to Bayan bang, Pangasinan Invince, Lugar, 300 16 111 (Ebundant from Curringo to Laong, Hocas Horle Growings, exizan, January 14,1907; bulled by phrises. Laragto Dingraz ( Hocos Horte, Luzon January 16, 1907. Dinigras to Vadsan, Hoees Horle, Luzon, Gamary it is in " P. C. About 6 in Lavag Valley below Lavag, der-Common " " " do 120-22, 11 " 23-24" " and Fubr. 5,5 Lavag lo Tavay fake, and at the lake, do Some were seen along the occan beaches believe an Lavagan Bojeador lighthouse, Fishmany 15, 1907. a few, on the aca bracker, from Bojeador to Davila, Hocos Norte, Luzon, March 9, 1907. I roundwin Pears upward it freezeme more and work I man anitil at leavy John Hay it breame a rundant, The mostly young brids. Campon of Bued Ruser blow Swin Pear & Luson, Jan 14,190%.

Howeld eccuber 13 to foly Januarys, 1909 it was

Lecu in mercaving ammbers for Nagupan (scalars) to Baquir (5000 feet); and on Mount Janto Tomas Denguet Peroprise, Lugarit seen al most at the top (Forofeet).

Petrophila manilla Boddaert. Luzon, may 19, 1907. Benibi Kiver, Mindoro, November 3 and 4, 1906. Clag River, Mindoro, Nov. 5-8, 1906 Ordat Camp no. 3 on sidge 2250 feet alletude, Muidoro, Nov. 8-12, 1906. Mangyan house, between samps 3 and 4, alleted 3000 feet, November 26-28, 1906. At the lowest Mangyan clearing, on Bueno Vista Hill, December 4-5, 1906, Camp Tro. attitude feet, mindoso, these bisds flew actively and moisily about at dust of evening and after dark. house, altitude 3000 feet, 710v. 26; Camp 710. 12, at junction of med Alag Rvir (1st (lowest crossing), attelede feet, Dec. 4; Calapan, Dec. 8, 1906. Specimen: No. 14595. Jjiw. Correagdor Island, off Mariela Bay, Dec. 16, 1906. On the oceasion of my first vist to Valuas Island I did not meet with this openies; but I saw one con the highest hill, October 7, 1906. Captain Hordon Johnston, U.S. army, shot the specimen that I obtained about 2000 feet on Balut Island, off southern That I abando, January 23, 1966. (No. 13897, 3 ad.), off southern

(Sheet V.) Etrophila manila Boddaert. Ene collected (No. 14382, 7) at Manay, eastMudanao, October 6, 1906. Many seen, all young, on Corregidor Island, off Manila Bay, December 16, 1906. An adult was seen in old Fort Dan Dofia, at Margosa-=tubig, southern Mindanao, April 2, 1906.

(Sheet 1.) Galliope vallispe (Pallas). One shot near Currina o , Aloeos Horte, Luzon, Jamary 14,190%.
In the brown boo bordering a road from Large to the
remainmenth, Moeos Morte, Luzon, Jan. 16,1907, one was seen Daniguas to Padsan, do "17.
Soveral sien, January 19,1907, on the ground and in the lower part of bankor clerups, near the Lavage River, loslow the lower of Lavage Hoers Horte Province, Lugar. An bankor hedges from Lavagto Vintar, do Jan. 23-14, 1907.

196 (Sheet I.) 430. Copsychus mindanensis (Gwelin). Philiphine may frie - (" is; and Prince the wine, interes in I have a dequerer, Conditions, 6 -c w Fern of the secretary will are I shot one at Pandog, on the Buluan Prien, connecting lakes Buluan and Leguasan, Min = =danao, Men, 27, 1904; but it was lost in the grass. On april 21, 1904, at Surigao, mostheastern Mindanao, I saw "a frair on fences and under houses, in town. They were very centle, and moved about with wings dropped loosely, at their sides. Ayala, Mindanao, P. D., April 24, 1906. Agus an Prieze between Pilar and Jateva, Ulindanao, May 6, 1904. Pozorrubio to Dagupan, " " " " " " " Jayam bang, Pan= = gasinan Province, Luzon, December 15, 1900. Very abundant, in bamboo, by the roadside from Courring of to Pedding, Hoos norte, Luzon, Jan 14, 1905.

Copogohus mindanenses (Sheet.11.) du bamboo bordering roads from Lavagle rerriuouth, Hood Norte Province, Luzon, January 16, 1907. Lavay to Dingruz, Ilocos Norte, Leizon, January 16, 1907. Many seen between & myra a and Padsan, Hocos Note, it Dingras to Lavar, Horos Horle Province, Luzon, January 18, 1717 Lavag Valley below Lavay, de Morte, Luzon, 16, 1900. Several, Lavag to Pavay Lake, Hocor Worle, Luzon, 16, 15 r. 5, 1900. Oue pair at Davila, do "15, ".

A sew pairs at Magharlians do Feb. 15 to Mai. 9, 1907.

"" " from " to Laray, usually in bomboo, " ?.". Asabella, Bazilan Island, January 27, 19 Campo No.8 lo La Milan, north Basilon, February 4,1900 Pricas Island, off northeast Mindanao, October 4, 1906, When a male was a hot. Chaplain Joseph Celemens collected it at Camp Keithtey Mindanao (on Lake Lanao), obtitude 2200 fut. Dalieud Island, Gulf of Davao, of southern Mindanas, July 17, 1904.

198 (Sheet I.) , the spirit will be intanted ( in the contract of the contract e se kneet reed-l'arrier. This species was seen in abundance in the ricefields and marches flanking the mangroves border = ing the Celebro Sea at Zambounga. It has a loud, sweet Song. It was again found in great numbers on Lake Liquasan and Talle Bulnan, and as well as along Athe streams of the Rio Grande o' - Mindanao. a mest, was taken, 1904, in a marshy part of Latte Liguasan; built ma coarse senna in ... Deen a long the marshy banks of the Rio Grande and on Lake Ligna can, Minidance (Co. 1-Seen at Jamboanga, Mindanao, P. J., December 2, 1903. Deen in a marshy eogonal near the Subano villager of Dindangan, on Sindangan Bay, north:

- ern Mindanao, P. D., Liebriary 16, 1904; also at
Mucas, ""

Moted from Camp Viears to Souir, on Lake Lanao, Mindaneo, april 2, 1900. Seen at Basayan (mear Ragayan and Lake Linco), Mindone Chi.

(Sheet II.) Acrocephalus orientalis (Temminek and Schlegel). The Clinicese Great Reed-Warbler was lively and abundant on Lake Legiasan, Mindanao, may 17, 1904, when it was continually seen Hying above the grassy islands which float in the late. On May 18, I found and preserved the supposed nest of this bird, which contained no eggs." I made scarch for nests and eggs, but saw none but this nest of the Great Reed Warbler, which was placed in a senna bush. The bird was seen in the " May 19: "The Great Reed Warbler is corrywhere in the wester-Common along the Buluan Tiver, between lakes Lignasan and Buluan, Mindanco, May 20t. 21. also in the marshes bordering Lake Buluan, The Descending the Buluan Kivir, from Orturan Buluan and Vandog, May 27, 1904, many were seen. Prange to Barak, Rio Drande Valley, Ulindanao, March 1-11, 1904 Deranaya hort, Much 11- 11 Upper Libungan River, East of Cottabato, March 12, 13, 1904. Woled on the Rio Strande, at the mouth of the estero which drains the Leranaya Marsh, March 14. 1700 Van Vsidso, Nueva Ceija Prominee, Luzon, Nov. 22 27,1905 Camp Thegg, Tangasinan Province, ", " 29, (Tozorruber, Pangasinan Province, Luzon, Nov. 30, 1906.

(Sheet III.) Several in cane-grass beside Frinidad Lake, at the allitude of about 4500 feet, in Benguet Orovince, Luyon, December 3, 1905. One at Pozor vubro, Pongasinan Frovince, Luzon, Dec. 14: Large, Horos Morte Pravince, Leazon, March 9,1907. Tuar Bojeador, Davila, Pasuguin, and Vintar, Flocas Morte Promier Lugar, Much 9, 1907. Un long grass near Pozorrubeo, Pangasinan Province, Lerson, December 23, 1916. Obundant on Lake Mangan, Windoro, Warch 25,1907. toamp No. 8 to La Mitan, north Basilan, February 16 La Mitan Reien, north Basilon, February 4, 1956 Diasi Island, October 12, 1906. No. 14403, Sad. Specinen: No. 15035 was left in Mu Bureau of Science , Lonear site of Dorey's camp to. 4, Jan. 30-31, 1906 west coast of Basilan Island, March 3, 1906.

Locustella Thecemen identified in the Worcester collection at Frankele Abundant in the eogon and scrubb, growth wround Paular, Mindanao, in Deplember, 1903. It sitters a sharp little gleping cry. A focustilla was common on Dulu Loland, from Molo to Maimbien, Bud Dajo, Ceraler Lake, and Siet Lake, March I and 2, 1906, which may have bran L. Jasciolata (X) roy), which has previously Grace Caster on Dulu and Tawi Tawi islands. See Specimen no. 47 collected on Seasi Island. Locustella ochotenois was the species observed by me at Pantar and Varang Parang, Ministernao. It was also collected by Tood fellow at X avad and along the Davad River (See This for July, 1906). I moted it as the "Yelfing Warten! I noted Locustella" on Taliend Deland, Gulf of Davas off southern Mindanao, July 17, 1904.

1/

Chestient - horted Tailor - bid. 409. Ortholonus frontalis Sharpe. Pel-cha-goo, Hilipinos of Zamboanga. (Estrellus.) 1346300134 52 in in Species of Orthotomus were seen at Pantar, Durigao, MA. apo, Do, Mudanao, P.J. Dec. Kee Del-Kee Jong-ko- woll (Moros of Bambounga). County May Groundswar, Sugar, July 29 and 34, 1945. Ohrard the cong of this bird, on Balut Island, Darangani growp, January 23, 1906; and, on Cotober 8, 1906, several of the birds were seen at close range on the Dame island. Lang frang, on Dumanquilas Josay, Jouthern Mindanao, (Cuquet 17, 1906. Cabo Deland; Igat Bay, off routh Mindanar, April 2, 1906. Agala, western Mindanas, august 24, 1906. Note. - Wir I Hootan Island off techn, xe flember 3, 1906, 2 saw one to sindividual which I moled as a species of Orthotomus resembling C. Arontalia; but, since no a precies of the yeurs has been found on Erbu Island, to which Muclan Island property belongs, it seems most probable that I mislook a bird of some other genus for one of this Camp Council, west coast of Domar Valand, Seplember 5, 1906, when No. 14304, fad, was collected; sound acon. Davas, southern Mindanas, July 18-20,1904

(Sheet 1.) Orthotomus pastaneiceps Wald. Camp Joseman, Vimaras, December 24, 1905.

(Shoet I.) Orthotomus obloronolus Frant. Burdett Manganeselline, Extreme VIIV. Joint of Luzon, in Aloca 1 Worte Growines, February 19, 1907. Abundant at Nagharlian, Horos Vior, le, Luzon, Hillmany 15 to March 9,1957; Luttira a peries of cluests-practically a rattle, oftenest heard in dry, barren, rock, hills. One of the most remarkable sounds heard in the Philippine woods is the thin warble of this tailorbinds, viterspessed with hollow chiells and its common rattle. The effect of the very is very remarkable. In thickets it after flits close to an intruder and utters its short rattle right in this ones face. At scalevel at Bojeador and Davila, Hocos norte Trovince, Luzon, Thanh 9, 1907. On the trail from Baguio to Compliallace, Hoters, for Sublace wearle, to Magilling, Mary 14, 1904. Casiguran, east coast of Luzon, Jung 1, 19 abundant at Baler, east evast of Luzon, Jaine ? Pili Hot Aprings, near Tibi, southeastern Jugon, June 3, 197. Base of Mount Mayon, Tabaco side, albay Province, Luzon, June 4 and 3; 150: Lift in Bureau of Deienee: Nos. 15009, 14981, 14905, 14986, and 14977.

Orthotomus eineraceus. Blyth.

Three were seen and one openium taken on Cogayan Sulu Island, October 15,1906. Specimen: No. 14432, 3ad.

Orthotomus pamarensis Steere.

Sperimen No. 14303, And, une entireled at Count Connell, west coast of Samar Island, September 5, 1906. Bill black above, Hest and wlaws brownes & flesh color. That and wlaws brownes & flesh color. Visbrown.

Peet-toi-no grossof Basilan Island. (Sheet!.) Orthotomus, mearnsi Mc Fregor. Mean Asabella, Basilan Island, January 26 and 7,1,100 leamf No. 1 to Camp No. 2, west of Isabella, Basilan Island, January 28, 1906 Camp No. 2 to Camp no. 3, Basilan Island, James 29, 900 Campe No. 4 lo Camp No.5, northwest Basilan, January 31, 1906; Mumerous on the River (where I shot Tronkey No. 6031), where I collected opecinen No. 13928. The Basilan Moros call it (Peet-tor-ro. Vs. abella, Basilan Id., Feb. 13, 1906; collected no. 13951, Fred. Camp No. 1 to Camp No. 2, interior of Basilan Id., Flet: 14, 1906 Campe No. 2 to Camp No. 3 (at Dipu Lipu), Basilandd, Heb. 15, 19 Species like No. 13951, from Buli Buli River to Camp to. 5, south Bardon Feb. 17.19:15 Near Malusa, west Basilan, Feb. 19, 1906; Spicinen no. 13965 colo Musser's plantation, near Isabella, Basilan, Feb. 22, 1906. , Inear site of Dorey's Camp no. 4, Jan. 30-31, 1906 west coast of Basilan Island, March 3, 1906. east of La Witan, Basilan Island.

## Orthotomus

Very mumerous in event growth around the Moro lown of Dibutu, 1005 t coast of Dibutu Island, January 1,1906. It follows one about through the south, coming so close that it is difficult to shoot good specimens. Two adult males and two adult formales were collected. The species of Orthotomus was previously known from Dibutu.

200 and 201 Simula En ricola cisticola (Vi ... ... y. Con-tay (Misnes of Lade Same, No. 12896. Eisticola exilis (Vigors and Horsfield; 1. 11-1. 101' o .t. 1-1', 1' 1' - 1') At Pantar, Mindana, of altanied three Mornisof torido resembling the common buff-headed Cesterola All of these evajoual Warblers an included under This heading. abundant at Parang, porthern Whendanao, Oct. 18, 1903. Noted on the tranks of the Ris A hande, above toothebeto. Midanao, October 19, 1903. ( Chundanthy singing in the cogon grass at Makar, on Darangani Bay, contiern Vilmiana, alois en 26,19 1. World from the island of Sulu as follows: On the trail from Wha's house to brater Lox, November 15,1700; atout Crale Mountain, November 15 75 18; from Seit Lake to Mt. Sulieman and theree to Tagisti, Morania can 20. Abrundant at Jolo, Duly, November 21-26, 1713. " Jamboanga, Mundanao, December 2, 1902. ". Olegan, northern ", February 15, 1904. Wated on the island of Duly, P. J., on the trail from Datto Upa's residence to his market at Buch, by the the sea, 4 gbneary 21,1904. Specimen of Cisticola Wiriam on: (No.134292 ad at Vacara, Chill, 1904,

Cirticola cisticola ( Demininer ). Temminor 's In in- Warbler. and The short-tailed, ydlow-headed ofucies was the more abundant of the two of Partar. Wolld from Camp Viears to Souir, on L. Lanav, Meridanav, On il 2. 1909 Noted on the Taraca Hiver below Malungan, Opril 5, 1904 (both species) C. explis and C. cisticola were noted at Hushulawa's cotta, Opril 7, 1904 " " from Halawan to Basayan and expecially at the latter place, april 8 and 9, 1904. C. Esticola pour moted of Basayon, april 8 and 9; at Sauir, on Lake Lanco and there to Camp Vicars, april 9 and 10, 1964; numerous at Vicais, Distincted at Disabella, Island of Basilan, January 19, 1904.

Controla exilis was

( bundant on the outskirts of Manila, where it was aften seen flying high and singing during its descent, in July and August, 1905.

Abundant (Cysteola exiles) from Panlai to Marahui, Mindanao, September 27, 1903. C. exilis was abundant at Camp Vicars (altitude about 2900 feet), September 28 and 29, 1903; also bestive an Comp Vicara and Mataling Halls, Deptember 29, 1903. abundant about the month of the Malaling Priver and at Malabang, southern Mindanao, Oct. 7-9,1903. One or both of these Grass-Warblers (were?) common all along the trail from Buluan to Simpitan (near Lake Buluan), Mindanao, May 23 to 26, 1904. Short-tained aprecio una a con from Dera naga march to Labas, Liburi-gan Valley, last of Coolabato, March 12 and 13, 1964.

Cisticola Cisticola (Deminick). Casticola oxilis (Vigors and Hors of cl. ) The short-lailed, yellow-headed species was found from (Frange to Barak, Rio & Trande Valley, Mind., Marche 7-11 1904 Dutto (lli's Desanaya fort, March 11-11, Deranaya to Uffer Liburgan Valley, Windanas March 13. the fory-tailed species was abundant and in full Dong along the Marila and Dagupan Radroad between Marila and Coamp Gregg, July 29 and 30, 1905. Lang- lailed of at Camp Dregg, Pangasanan, Luzon, July 29am 150, 1905. " San Sidro, Mesalocija Province, Leeyon, Nov. 27, 1905. " Camp Stotsenburg, ",", " Gregg, Pangasinan Province, ", 11 29, " " Lagupan, " " " 30, " 30, " 30, " " Luite common in ofenings of Men fine woods around Poquio, Benguet Province, Luzon, Dec. 1-12,1905. Long-lailed Sp. was abundant at Trinidad, \$4500 feet, Buguet Province, Luzon, Lecember 3, 1905. (Base of Monut Santo Tomas, Benguet O rovince, Luzon, December 9 and 10, 1905 - who 5500 det Camp folin Hay to Camp No. 4 on the Benguet Wager - Road, by way of the Meade Road, Zigzag Frank, and Bued Reven Campon Deember 13,1905.
Thank Blued River to Bozo mubra, Pagasinga, Luzon, De Many at Vozorrubro, Langasinan Fromice Luzon, De Many anto Bayambang, "

Cristicola desticoloi (Timmine Kland (8 heet. IV.) Ollef my Lizon records are of the long-tailed of call.) Lavag, Hocas Norte Province Luzon, January 14, 190%. Driggant to Vadran, Floor Norte, de zon, January 17, 1907. The long-failed efecces was noted as "very abundant" in patches of cane-grass bordering the Lavaghin, below Lavag, Jan, ig, ist, Obrendant nicht Lavag Valley below Lavag, January 20-22, 1907. Lang to Vintar Fake, Hocoshorte, Suzon, January 23 and Febr. 5,7 Sand Ridge", between La oug and Vintar Fiebruary 7, 1907. Extreme W. point of Luzon, Hocor Worle Province, " 19, ". abundant in the open grassy country around Mag= = partiai, flocos norte, Leizon, Feb. 15 to March 9, 1907. to Laray, - locas Norte, Luzon, mich 9, 19 ... Orovince, Luzon, on July 26, 19067, I discovered a mest, in short wirry grass, on an hillside near a stream, in any of ening in the coak forest which Mr. Haight has named "The Park." The purse-shafed nest was brief close to the ground and well concealed. It is of grayish cobwebby materials woorn into the grass leaves, with a circular opening for entrance and exit placed above and obliquely to the side.

Ceisticola cisticola (Temminek) and (Sheet .) Cisticola exilis (Vigors and Horsfield). Nest, in an open meadow park in front of Mr. Haightie Louse. Cogas 2, measuring respectively, 16 × 12.8 and 16 × 13 min. Liround volor pure white; finely opeckled all over with red-brown, sparsely except at the great end where the spots are aggregated. Nest and 2 eggs in US not mus. One hair in Harghetis meadow (which he has named The (Plaga'). West, 20992, and I parent preserved." Lugapar la Swin Jeans, Panguse ra i Province, Lugen, 2 10.23, 1906. One ofecies - No. 14633 - officers to be commen ni Grassy lands thronghout Luzen, cone is of son realoured to Hair, letto in the outs (about & cores feet). Lute menurous in gravey of chings of the fine woods about Camp yoh a Hay, up to 3000 seet, 210,24,19001. Jany 190%. On the base of Mount Mayon Collowy Growinge, Leason, March 28,1907, it was found in eogon up to 2000 Just. Coled from Bagnio to Nagellain, Luzon, March 1904 Casiguran, sost coast of Luzon, June 1, 19 Pili Hot Springs, near ibi, southeastern Luzon, Juni E, 9. 7. Base of Mount Mayon, from Tabaco up to 4000 Jeef altitude, albay Province, Luzon, June 4 and 5, 19: This was the first bird I collected on Balan Island, near Vailod oningo de Bosev, May 27,1907 aboundant si the vicinity of Santo Doningo de Basco Botan Island, May 27,1907; fell colored; severes sie

Cisticola Cisticola (Tennince) and Cisticola exilis (Vigors and Horsfield). The opecies frequently collected on Luzon was common on Finga Island, May 29 and 30, 1907. Ceisticola, long-tailed, abundant from Vanjan to Lake Naugan, eastern Mindoro, March 25, 1907. Ceisticola Ristrebla was noted, between Camp no. 2 and teamy no. 3, Basilan Island, January 29, 1906 (Both opecies (Coisticola Restecola and C. exilis) were found in the broad cogonals surrounding Tipo Sipo, in the suterior of Basilan Island, February 3, 1906. Both opecies were found from Comp No. 8 to La Mitan, north Basilan, February 4, 1906. Ooth species were noted at Tipu Tipu, in the interior of Basilan Doland, February 15, 1906. Both opicies abundant from Camp no. 3 to Camp No. 4, Dasilan Island, February 16, 1906. Both species from Buli Buli River to Ceany No. 5, aouth Basilan , Feb. 17,1906. Both species noted believe an Comp no. 8 and Camp no. 9 (Musser's plantation), north Basilan, Feb. 21, 1906. Cisticola cisticola was noted at Musser's Jelan-- tation, near Isabella, Basilan, Fishruary 22, 1906. Mu common, short-lailed Ceisticola of Mundanso was common on July Island, from Jolo to Maimbien, Bud Dajo, Crater Lake, and Diet Lake, March land 2, 1906.

Cistierla vestierla (Minninent) and Cisticola virlis (Vigors and Horsfield. Cisticola (the short-tailed one) was found at Pang pang, on Dumanquilas Bay, southern Mindanao, august 17,1906. Long-tailed species: Mariguina Valley Rizal, Luzon, Dept. 17, 1906. Stront lailed pheries of our sea level on the work shore of the bull of Dava to the apen of the cogon book at 1030 fret alletude, June 15, 1904. Short-tailed prices was common on Taliend Doland, in the Short-Pailed at Davao, southern Mindanao, July 17, 1904.

202 (Sheet I.) 408 Megalurus paluetris Horefield.

(108. Megalurus paluetris Horefield.

(1:-ck-too'-'e" ("prova of "Jamboanga). Of pair of these Lack-like frieds was collected at Dungao, in northern Mindanao, P. D. a pair seen, one obot, at Surigao, northeastern Mindanao, april 20, 1904; mate shot april 21, 1905. Abundant around Manila, September 201630, 1905. Carup Stotsenburg , ", Nov. 28, 1905. 11 Vregg, Pangasanan, Province, .. , " 29, ". Dagupanto Baguio, Luzan, Nov. 30 l. Dec. 1, 1905. (Moundant in grassy places, especially along the marshy banks of streams, around I Sagnio Benguet Province, Luzon, December 1-12, 1905. Abundant at Frinidad and around Frinidad Lake, altitude about 4500 feet, Benguet Province, Lugar, December 3, 1905. Noted up to 6000 feet on Mount Saulo Tomas, Benguet Province, Luzon, December 10, 1905. Meade Road, Benguet Province, Luzon, 7, 10, 1905. Abundant from Bued Rier, Campon to Lagupan, " " 19, "

(Sheet 11.) Dagupan to Bayambang, Pangasinan Pooling Luzon, Dec. 15, 1900. Moisiqued vary abundant from Courringo to Tavag, Alogo & Morte Province, Luzon, Januare, 14, 1907. Hannay 16, 1907 Cobundant from Tavag lo Dingras, Flores Norte Lugar, .. ( Moundant from Dingras to Vadsan, January 17, 1907 Xf Slies obliquely upward, then lets itself drop, uttering a Phrodigious whirping as it isops il wough the Dingras to Lavag, Alvert Morte Province, Luzon, January 18, 1904. Very abundant in fratches of came grass brondeding the Lavag Privir brow the town of Lang, Hoers Horty Tuzon Jamanjing 905 La oag to Vinter Lake, de and Hebr. 55 abundant from Lavay to Nagfartian, do . Hebr. 15, 1907; Slies up into the air and falls singing its rough notice. abundant at Naghartinin, Flocos Morte, Luzon, Feb. 15 to War. 7, 1907. " from " to Lavay, do march 9, 1907 I four wire seen about Haightes clearings and in the material meadow near his house, in northern (Denguet, Kuyon, July 20 to (luguest 3, 1907, (Che it A Baynio, Berguet Comince, Vuzen, Vic. 74, 1906 This bird was seen at vorious places of rom scalant of Dringe from to 5000 Scitat (auth Johnstray, Isinguet of Principle, January 5, 1907.

(Sheet 111.) Megalurus paliestris Horsfield. Offare of mount mayon, albay Trovince, Luzon, March 28, 1907, Legaspi side of surunianis. One moted at Tucina, conthern Luzon, March 30, 1907 Abundant from Bagnio to the woost at Son Firmando, Marcolo 19 and 20, 190% Apari, northern Luzon, May 29,1907. Tibi and Pili Hot Springs, southeastern Luzon, Jane 3, 1905. (Sase of Mount Mayon up to 4000 feet on the Jabaco side, albay Province, Luzon, June 1- and 5, 190%. Abundant from Wanjan to Lake Naujan castern Ulindoro, Warch 25, 1907 Marignina Valley, Rija (Province, Luzon, Deplember 17, 1906 (Pasig and Sartay, Prizal Province, Luzan, Deplumber 21, 1906

(Sheet I.) Megalurus ruficeps Twerddole (I jour in grassy Michele which whoke the heads of carryour descending from near the mountain tops, at mean Haightis in- the outs, norther ar Benquet, One, was wanght in a mammal trap set behind a dense growth of bushes at the base of a eliff, at Camp no. 7, allebede Sooo feet, on the divide of the main redge of Mount Haloon, Windows, Nov. 22,1906. The weather was very stormy. Caplain Halslead Dorey saw many at Manay, east Mindanao, October 6, 1906, and shot the opicinen Kept (No. 14380, Fim.). Mariquina Valley, Lizon (Rizal), Se felember 17,1906.

(Sheet I.) Abrornis olivacea Mosely. 395. ( hylloseopus boralis ( Blasius). · Heart, mini with lugubris (Blyth). and in- 1 contint of De degreen the insure of a file of the state of Two species, both esticated at Pandar (altitude 1800 feet), Mindanao, P. J., are included under J. Corralis. (I species of Phylloseopus was also shot (preserved in alcohol), from 1500 to 2000 feet actitude on MA. apo, Mindanao, S.J., June, 1904. Of was abundant in a forest of bomboo above Joon calling. Noted on Lake Lanao, near Souir, april 3, 1904. Toted at Rogayan, Taraca Valley, Mindanas, Wiril 4, 1904, in Govis noted in the pass (Cararao Safe) at the summit of the mountain range between Paraing [manie meaning Chopping Knife) and Laste Buting, Colober 14, 1903. Tabas, Libringen Valley, last of Coolaboto, March 12, 1904.

Lagutty present Donalist and found Vanto Tomas, Benguet Province, Luzon, December 10, 1905. abromis duncea Moseley. The brids that I have vern calline Reauthopueuste, with villow-striped under harts and gray-striped crowns - the breading out from Cantar and Mount Maluidang - are hololing this ofcers . Confar the Gregor has them so labelled from Bolol and Busilan.

Atrornis olivacea Moseley. Isabella, Basilan Island, January 22 19. Compare my specimens supposed to be abrormis buy tros olivacea mosely, from Pantar, Wet. apo, Mr. Malindang, etc. with A canthopreuste lugubris (Blyth) and a. xanthodryas (Swinhor). Telso compare with topotypes of a lugubris to a. if the resident Philippine bird [if an acauthopnenste as I formerly considered it I is not diffrent. (Lee my notes under Cleanthopneuste.) Nos. 14185, 14113, 14210 are apparently abrornis Olivacea Moseley vistead of acouthopneuste lugubris as I previously identified Mindanao specimens. They are liste those labelled abroruis alivaceus by M. The Gragor. Left in the Bureau of Decence: Noo. 14185, 14113, and 14210. abundant on the lower slope of Mount apo, Mindanao, from 1500 to 2000 feel altelide, June 15, 1904. Those that were shot (nos. 13508 and 13509) were in bamboo at lleoo feet allitude.

Acunthopneust boreslis (Blas). Abundant around Baguio, Benguet Province, Lujon Dec. 1-12,1905. Trinidad, altitude 4500 feet, Benguet Province, Luzon Dec. 3, 1705 Province, Luzon, December 10, 1905. (Tozorrubgo, Pangasinan Province Luzon, Dio .... Congruince to Lavag, Hoers Horle Province, Luzon, Jan 14, 1709 Lavaghier mean its mouth, Hocos Horte Province, Jan 16,195 Lavag to Dingras, Flocos horte, Luzon, January 16, 1957. Abundant from Lavaglo Paray Lake, Horas Horle, Suzon, " 277" In its actions this bird resembles Regulus calondula. La conto Magharlean, Flores norte Luzon, February 15,1907; utter a rough, chirping coll-note. Noted near Bojendor, Davila, Pasuguin and Bazara, Flocos Worte Province, Luzon, March 9, 1907. Ubled at Tunio, Bear of Prose we, Lugar, Land at 126,1906. Hrom # 2001 Or 24, 1406 to January 4, 1907, it was moled ux common from 4000 flet up to the actual summit of Mount Janto Jomas, Benguet Promise, Just. 6300t 2000 feet on Wit, Halcon, Mindoro, Nov. 2/and 23, 1906.

Boo-ree-bid, Bagobos of Mount Opo, Mindanao. 394. Artanus le neogaster (Magler). Woodswallow; Swallow-Shrike. (Pah-poss Moros of Lake Lanas), 71.0. 12946 2. Qa-le-git-git (Filipinos of Bamboanga). White-bellied Wood-Swallow, Whii . m. wallow - . . ......... I in a water of the iar, Mend, in Congust a del Consister Mise at gambounga, Windanson, G. S. Co. with the " " (Parang, southern " " 11 /8, " Everywhere abundant from the mouth of the Rio Grande up to Lake Liguasan, Mindanao October 19 11. 5. Noted at Davas- southern Windonce, Course. Noted at Siet Lake and Panglina Hassan's ridence, on the island of Dulu, (. )., november 13; at Upa's place, Nivember 14; on the trail from Upa's lever tolera's litouriani. November 15; in the vicinity of Cerater mountain, that No = = vrube, 15 to 18; along the beach from Taglebi to folo, Nov. ? ; Jour, November 21-26, 1903. Seen on Drungdung Irland, of Sular, O.D., November 25, 1803. "Jamboanga, Mindanao, J. V., December 2., 1903. Moted at Janga purjan Island off Windanao about 12 miles last of Janeboarga, December 11, 1903; specimen taken then & ecember 19, 1903; again noted Buluar Island off southern Mindanao, February 1, 1904.

394. Artamus leneogaster (Nagler). In small Aloeks. Flight deliberate, On alighting They huddle on the branches, Its ordinary note is hardi; but, at times, it rellers a softer note. abundant on the Cabasaran River, southern Mindanav, January 31, 1904. Munerous (one shot) on Buluan Island, off Southern Muridanao, Hebruary 1, 1904. noted at Jolo, Duler, February 4, 1904. noted at Dipulog, northern Mindanao, J. D., Hebruary 14, 1904 " Lubungan, " " " ", ", Gligan, and Mucas, ", ", February 15,7 Noted at Sindangan, on Sindangan Bey, nonthern 11 February 15, 1904. Mindanco; P. J., February 16, 1904. Holed at Naula Maria, northern Uluidanao, He bruary 17, 1904 Abundant beliverend atto Upa's residence and his market at Bual, Sulu Island, P. J., February 21, 1904. noted on West Bolod Deland, in the Sulu Sea, between Jolo and gamboanga, Gebruary 21, 1904. I ded not find it on lagayan Dulu Island. abundant at Cottabato, southern Mindanao, March 3 45, 1904 " Kudarangan, " " 6, " Deen along the wagon-road from Waining to Complicans (0+03000 loc), Nos hel. Numerous at Camp Vienas 3000 ft. 1, Mindanar, Opril 1, 1904. Moted from Camp Vicarate Souir, on Late Janao, Chiril 2, 1904.

(Sheet in.) 205 394. Artamus leneogaster (Wagler). WoodSwallow; Swallow-Shrike. Noted from Santar to Marahui, Uluidanao, September 27, 1903. Noted at Melabang, southern Mindanao, September 29, 1903. Lake Leguasan, Mindanao, May 17 to 19, 1904. - "Obundant around the edges of the lake marshes, usually near trees." May 20, 1904, on the Buluan River, connecting lakes Buluan and Liquasan, this ofecies was noted. May 22, 1904, around Lake Buluar and the commencement of the Buluan Oliver. Noted at many places along Hu trail from Buluan to Sunpitan, May 23 to 26,1904 Returning, down the Buluan River, May 27, it was abundant at Vandog and many attre places. Noted at Durigao, northeastern Mindanao, april 20, 1904 Noted at Bacuag, northeastern Mindanao, april 21, 1904. " Dinagat, on the Island of Dinagat, april 21, 1904 " Surigao, northeastern Mindanao, april 21, 1904 Always abundans get Jamboanga. "22,"
When ascending the Lubay Ruis, northeastern Mindanao, April 22, 1904, many were seen. Moted at Lamboanga, Mindanao, August 1, 1904 Holed at Davas, southern Mindanas, July 15 to 20, 1904. Very Lew were noted in Manilla, July to november, 1905 Malaripa Id., of M. Mindanas, Ofil 2, 1906. Margosa Jubig, S. Mundanao. Capril 2, 1906

(Sheet IX) Artanus lencogaster (Magler). White-In Clied Wood-Swallow; White-rumped Swallow-Shite. Firm Souir, L. Lanco to Rogayan, Varaca Valley, Mindanao, Opril 3, 19:14 " Rogayan to Walungun, Jaraca Valley, april 4, 1904 millocks. From Walungan to the mouth of Paraca River, april 5, 1904. Flocks 12 ... celong the Taraca River between Halavan and Basayan, april 8, 1904 Noted at Sauin, on Laste Janao, Mindanao, Offil gand 10, 1904. Noted at Camp Vicais (celtitude about 2900 feet), Ulindanes, September 28, and 29, 1903; also from Camp Vicais to Malabang, September 29, 1303. Vand at Malabang, Oct. 7-9, Several seen in Manila, October 6, 1905; also Sept. 8, 1905. Ayala, Mindanao, april 24, 1906. Un enormous flock rooted in trees about the Quar = = antine Station, at Marivelie the night of aug. 1, 1903. On aug. 2 smaller flocks were seen in the neighboring hells and clearings. (Heundant at Pantar and Tale Junao, Aug. + Sept., 1903. "Samberanga, July 24 to aug. 1, 1904. Derananja Marsh to Labas, Libungan Valley, east of Cotabato, March 12 and 13, 1904. Prange to Barak, Prio Frande Valley, Mindanao, March 7-11.1904 Deranaya Hort, March 11-13, 1904. his Arande from month of Deranaya estero to the rivermouth, March 14, 1904 Bandoanga, March 15, 1904

(Sheet V.) Ortanus leneogaster (Wagler). Abundant on Lasse Mainit, frombury Mindanao, Offil 24, 1904 a few rese also soon along the Subay River, Opril 22-24, 190 (Baganga to Christian ade's bemp plantation, 7 miles west of Baganga, lastern Mindanao, April 26,1904. ('lde's plantation to the læstern Mindanao, Chril 27, 1904 Bucoco River, castern mindanao, May 4 and 8,1904. Værieella to Lake Linao; These were the first veen in descend. - ving the Agusan Kirs from Compostela; abundantorix. There's - ake Kinao to Talacogon, Agusan Valley, Mindanao, May 9,1909. Talacogon to Buluan, agusan Valley, Mindanoo, May 10 and 11, 1904 Mouth of Olgerson of Buluan Kiver, Mindanas, May 11: 200 Jimanez, northern Mindanas May 12, 1904. Langaran, northern Mindanao, May 13, 1904. Baliangao, on Murcialagos Bay, trothern Midanao, May 13, 1904. Abundant between Marila and Camp Greggalong MuMarila and Dogupan Kailroad Luzon, July 29 and 30, 1905 Camp Gregg ( Langasinan, Luzon, July 29 and 30, 1905. Vicinity of Manila, Luzon, July to December, 1905. Van Vridro, Nueva Écija Province, Luzon, Nov. 27,1905. Camp Hotsenburg, Coump Gregg, Pongasinan Proince, Dagupan, " .. 29. " 11 30, 11.

(Sheet VI.) A Mamus lowerhynchus Along the Manila and Dogupan Railroad between Camp Stotsenburg and Camp Gragg, Luzon, Nov. 29, 1905. Dagupan to Baguit, Nov. 30 to Dec. 1, 1905. (I few were seen on the military reserve now called Comp John Hay, wear Baguio Benguet, Luzon Doc. 1-12, 2 Armidad, Benquet Province, Luzon, Dec. 3, 1905. Who to 6000 feet on Mount Danto Yours, Benguet Province, Luzon, December 10, 1905. Meade Road, Benquet Province, Juzon, Dine (Pozorrubeo to Manila, Luzon Dec. 14 and 15, 10) Camp Joseman, Tumaras Id., December 24, 19 In flocks on three small, wooded islands of the south end of Dibeter Foland, January : Common from Currina o to La ong Hoes Worle. Grovince, Leizon, January 14, 1907. Lugar Priver, below the town of Lanag, Hoeos horte, Lugon, Jan 16. Lavag lo Dingras, Flores Norty Luzon, January 16, 1907. Dingras to Padsan, do " 17, "; Very active of duck. Abundant everywhere from Lavay to Javay Lake, I loco 2 Norte Province Luzon, January 27 and February 5, 1907. Occasional flocks, Lavagto Viagiaria, Alocos norte, 116.15, ", Maghartian, Hoeos Norte, Luzon, Feb. 15 to Mar. 9, 1907

(Sheet VIII.) Artamus lencorhynchus Common from Nagpartian to Loog, Hoeos Norte, March 9, 1907. Legaspi, albay Invince, Luzon, March 28, 1907. Teverywhere from Jegaspi up to 2500 feet on Mount Mayon, Albay Rovince Luzon, March 28,1907. Lieina, southern Luzon, March 30,1907. Baquio to the coast, on the Wagellian Irail, Luzen, San fernando, Sallnion Province, Luzon May 20-25, 195: Tibi and Pili Hot Aprings, southeastern Luzon, June 3. Base of Mount Mayon, Tabaco side, albay Province, Luzon, June 7 and 5- 19:22 Abundant on the trail from Naujan to the Naujan River, Mindoro, March 25, 1907; also on the Naujan Kroin and Lake Naujan the same day. Calapan, Mindoro Island, October 31, 1906. Mouth of Baco River, and Subaan, Mindoro, Nov. 1,1906. Spiermen: No. 14553 Fad., Dubaan, Dec. 6, 190 'At Davao, Mindanao, January 22, 1906, I noted a great floor of Devallow-Shrike: " Vsabella, Basilan Island, January 26 and 27, 1. Camp no. 2 to Camp no. 3, Basilan Island, January 29, 1900 Camp No. 4 to Coamp No. 5, northwest Baselan, January 31, 1760 Cumalarang River to Ceamp No. 6, interior of Basilan Island, 41.66 ruary 1, 1906.

J-gl-e-ap-as, Jacanes of Basilan Island Cheet VIII.)
Artamus lencorhynchus (Linnaeus). Tipe Tipe and Camp no. 8, Basilan Island, 4et. 3,1906. Camp No. 8 Lo La Mitan, north Basilan, February 4, 1906. Tipu Tipu, interior of Basilan Island, February 15, 1906. J-gl- e-ap-as, Jacanes of Basilan Island. Camp No. 3 to Camp No. 4, Basilan Island, Feb. 16, 1906. Buli Buli River to Camp No. 5, south Basilan, Feb. 17, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906. Near Malusa, west Basilan, February 19, 1906. Musser's plantation, near Isabella, Basilan Id., Heb. 22,1906, Abundant at Burengo, Calubig River, north Damar, Oct. 1, 1906. Abundant at Lanang, cast Damar, October 3,1906, when No. 14349, Ead., was shot by General Wood. Bucas Island, off north cast Mindanao, Colober 4, 1906. Abundant on the lower Catel River, east Mindanao, October 5, 1906, when no. 14376, Ead., was collected. Anlu Island, from Jolo to Bud Dajo, De October 11, 1906. Diasi Island, October 12, 1906; common. Abundant on Loran Island (off Moian Id.), October 12, 1906, When one was shot. I preserved specimen to. 14446, Fad., one of two shot by Leural Wood, on Lumbucan Island, October 16, 1906. Siatu, Diasi Island, January 9, 1906. Specimen taken. Kah-baa-so'-ti,

(Sheet IX.) Gamboanga, Mindanao, January 12,1906. Sulu Deland, from Jolo la Maimbun, Bud Dajo, Crater Lake, and Wict Lake, March 1 and 2, 1906. , Lacar Dorey's Camp Wo. 4, January 30-31, 1906 rerest coast of Baselan Island, March 3, 1906. Parang Parang, conthern Mindanas, March 14, 1906. Colabato to month of Rio Grande, southern Mindanas, March 15, 1906. Mulabang, southern Mindanao, March 15, 1906. Margos attibig, southern Mindanao, august 16, 1906. Gerica pany, and unauquitar Bay, souther in Mindana, August. 17,1966. Dan Kamon, and Cerala, a Extern Ittindanar, August 27,1906 Mactan Island, off Coebu, Deptember 3,1906. Coming Connell, west coast of Damar Island, September 5, 1906. (Mindant, specimen lotten, onling o Island, Deplember 10, 1906. Marignina Vacley, Rigal Province, Luzon, Deplante 14, 1906. ( Varia, Saylay, and Chalifolo, Rigal Growince, Luzon, Acft, 21,1906. Some of the dead trees along the brack on the east shore of the Gulf of Davao, at Sulug, were occupied by swallow-shreves, June 12, 1904 Jagulaya, west shore of Davao Sulf, southern Mindanas, June 14, 1904. Tagulaya up to 1030 fret attitude on trace of Mount apo, Windawso, June 15,1904.

391. Lanins masutus Scopoli. (Sheer I.) Cophagichenice masutus (Soopoli). Many were seen along the road from Sunlar to Marahui, Mindanao, September 27, 1903. This Aliveris very abundant on the everyonals around Camp Pantar, altitude 1800 feet, in august and Deptendar, 1903. Frited on the Rio France, Mudanao, above Colla= = bato, Colobra 19 1906. Abundant, one shot, at Iligan, Wind., Feb. 15, 1904. Abundant at Cottobato, position Mudana, P. J., March 37.5, 1904. Noted "Kudarangan, " " " 6, ". Leted between som Malabang to Comp Vieuro (0-3000 feet), March 3, 19 Roted of Camp Vicar & (3000 ft.), Mendanao, Of ri- 119) listed from Couch Vicars to Souir, on Lake Lanar, Offil 2, 190; None were seen in the Taraca Valley, april 2 to 7, 1905; hat on 10, as soon as we reached the grassy frantars from Sawir to theais eve again found the Long-tailed Shrike, which had been absent from the Latte Lance constitues: again noted from Camp Vicars Oto Camp Buting, Mindanao, april 11, 1904. Observed at Camp Viears (attetiede about 2900 feet), Undanao, Deptember 28 and 29, 1903; also between Camp Vieux and Mataling Halls, Deptember 29, 1903.

Cephalophoneus nasutus (Scopoli). Long-tailed Shrike. Seen at Malabang, Mindanao, Cetobre 7-9, 1903. Seen at Lake Buley, Mindanao, October 5 and 6, 1903. One was seen at fort Willeam McKinley, sex miles from Manila, September 22, 1905. abundant at Mercedes, 9 m. E. of Zamboanga, Min= = danao, P. J., March 17, 1906. Two young in first plumage shot. Prange la Barak, Rio Grande Valley, Mindanas, March 7-11, 1904. Libungan River, east of Cottabato, March 13, 1904. Rio & France from month of Seranaya estero to the Cotabato, March 14, 1904. Abundant between Manila and Comp Gregg, on the Wainla and Dagupan Railroad, Luzon, July 29 and 30, 1905. Camp Gregg, Pangarinan, Luzon, Jely 29,30, 1905. Vicinity of Manila Luzon, July to December, 1905. Camp Hotsenburg, , Luzon, Nov. 28, 1905. Dagupan to Baguio, Luzon, Mov. 30 to Dec. 1, 1905. Very common ni the vicinity of Baguio, Benguet Province, Luzon, December 1-12, 1905.

(Sheet III.) Cephalophoneus nasutus (Scopoli). Ceommon around Frinidad Lake, at about 4500 feet altitude, Benguet Province, Luzon, December 3, 1905. One chased a blue rock thrush. Up to 5500 Jeel on Mount Santo Tomas, Benguet Trovince, Luzon, December 10, 1905. Meade Road, Benquet Progrice, Lugon, Die. Bud River Campon to Dagupan, Dec. 14, 2005. Vory a bundant from Currimao- to Tacay, Hoerstorte Orovinec, Luzon, January 14, 1907. Large to month of Locay ( win, Jan! 16, 1904; Dany a levely letterong from the bamboo lops ; very abrendant. Lavag to Dingras, Llocoshorte, Luzon, January 16, 190; Hundred & were noted from Dingra i to ladson, Ilo coshorte Province, Luzon, Januar 15,190%. Dingras to Larg, Hoeas Horte Province, Luzon, January 18, 190%. Abundant, Larag Valley, below Laray, do " 1976/2 , " to Vintar Lake, do " and Hibr. 50 ", " " Pavar ", do " 27/190%. " , " " Naghartian, do 40. 15, 1907. " to the extreme morthwest point of Lugon do " 19, ". Abundant at Naghartian, Hoeoshorte, Luzon, Feb. 15 to Mar. 9, 1907. Dagupan to Swin Peak & Sangusinan Province, Sugar, Dec. 23,1906

(Sheet IV.) (contach honeux maxulus (Doopoli). ( Woundant at Bagino, Benguet, Dec. 24, 1906. Adag no, Bengard 9 . . . ce Julian, 1 eccuries 26, 1906, Common from Togosrubeo lo Lagupan, Panyasinan, Lugen, Jan. 4, 1907. Luguepan le Joger rubro, la igua can l'invince, Leizon, December 23, 1906; less abundant than Otomela kneinnensis. (Munda et gran Troin Plat : (2000 3 moder) to the have of Tout Santo Jo ras, 100 quet 1/30 mos, Jugar, 2 recentro 24 to 21,1916 Description of mest and eggs, collected at Camp John Hay, Benguet Snovince, Lugar, May 3, 1907, by M1. William Lorr Carpenter . Parent, No. 15138, 4, secured at the nest, which was in the top of a small fine true (fine inoutaris), at the Reight of 25 feet about the ground: Mest. - Sufforted by 4 lungs of living branch, 15 vinlleineters in diameter be one poolly built, onliverely of dry gravses, pine needles, a few plant stems, à few course dead ferns, and a small quantity of down from fern fronds. Unlernally of fine heedles and way fine stems of grasses and other plants. Nest davidy symmetrical. Illeasurements: external dearneter, 180 mm.; external de ith, 100 mm; internal diameter, 70 mm.; internal defth, 65 mm. Eggs - 4; grayish Gream-white, sparsely

392 Lannis Ligrinus Drafriez. (Sheet I.) On the island of Dulu this beautiful Shrike were considered at Diet Take and Pauglina Hassan 1 Lower, Vision 5, 1903, ; also at Jolo, November 21-26, Many were seen and two phot along the Mail between Datto Upa's residence and his market at Bual, Dulu Neland, Hebruary 21, 1904. Gulu Island, Iron Jolo la Mainebin, Bud Sajo, Crater Lake, and Siet Lake, March 1 and 2, 1906.

Cophalophoneus validiroslris (Linut). Jahl-ahl (Igordes of Benguet).

Nat uncommon at Haightis-mi-the-vals, Benguet
(Fromiee, Luzon, July 20 to august 3, 1907. Several vilens.

Cophalopheneus navulus (Soopoli). sparsely spotted with purples h brown and yellow-= ish brown, except a onele around the great end where the spiets are aggregated and larger than those of the opposite extremity. Measurements: 24 x17; 24 x18,3; 23 x18.5; 22.5 x18 mm. Hom Baguio to Nagillean, Luzon, Harty 19 and 20,1907. Two were seen, and a specimen (No. 13940) sollected at Sipa Tipa, in the interior of Basilan Island, Feb. 3, 1906. Compo No. 8 to Va Mitan, north Basilan, February 4, 1906. Tipu Tipu, interior of Basilan Island, February 15, 1906. abundant from Camp No. 4 3 to Camp No. 4, Basilan Id., Feb. 16, 1906. Parang Varang, southern Mindanao, March 14, 1906. Cotabato, southern Mindanao, March 15, 1906. Malabang, southern Mindanao, March 15, 1906. Mariquina Valley, Rizal Province, Luzon, September 17,1906. Pasig, Taylay, and antipolo, Rizal Province, Lugar, Aft. 21, 1906.

390. Lanies Incionensis-Linnacus. VIe-gede (Visco yan filiperior of Many, south in the Kabe-sole (Hilipinos of Zambounga). Otomela lucionensis (Latho: 1). Luxon Mile. Noted at Manay, southeastern Mindanao, October 23. " ! Parang, souther 11 18 11 11 19 " or the Rio Grand; " or Down of Catheira 21 " Makar, on Parangani Bay, D. " December 2, ". " " ganeboarga, Abundant at Dalis Hasin's residence and the last six miles of the Cabasaran Rwier, southern Midanao, January 31, 1904. Seviel seen and one shot on Buluan Island, off southern Mindanao, February 1, 1904. Several seen on the island of Banga (Port Banga), off southern Mindanao, Fishmary 1, 1904. Moted at Santa Maria, northern Mindanas, P. J.; February 17, 1904. Note a sharp rattle; also a hourse trum get note. Moled at the Polloi Haval Mation, routhern Uludanco, March 2, 1900: Sun at Pararay Malabang, Windenas, Ware & 51,1900

Otomela lucionensis (Latham) (Shect III) Luzon Strike. De the descent from Camp Vicas to Malabang this Herein was first seen at Camp Butig. Noted at Isabella, Island of Basilan, January 19, 1904. Noted at Malabang, Mindanav, Colober 7 to 9, 1903. Il mumber were seen in and about Manila after September 1st, 1905; abundant by the 5th. Manila, Sept. 20,1905. - Common, in flocks - probably families - in and around Manila. Its notes have as much variety as those of the American Loggerhead Shrike. They fight, and chase each other high in air, making considerable outery. One was seen at Surgao, northeastern Mindanao, Capril 20, 1904; others april 21. The Luzon Shrike is replete with animation and lenguistic vigor. When fighting in the air its cries are rapidly repeated haish squeaks, ending in a rattle as it returns to its perch, Then it ulters slow rasping cries; but these noises by no means exhaust its vocabulary. During the last 10 days of Sept., 1905, This was the most abundant bird around Marila, with the exception Holed at Zamboanga, Mindanao, august 1, 1904

208 (Sheet III.) (Homela Lucionensis (Latham). Still Abundant in Manila, November 9, 1905. It is one of the birds most frequently seen in courts and yards among the houses. In the air it sometimes behaves like a Gillow-breasted Chart. at auch times its note is a loud sough ratice Deen at the Doverment Experimental Farm, at Dan Kamon, Mindanao, P. J., Maich 23, 1906. Malanipa Id. D. Mindanao, April 1, 1906. Margosa Subig, D. Mindanas, Afril 2, 1906. Clivays abundant at Sambounga, Mundanso J. O. Ayola, Mindanao, P. J., april 24, 1906. Jambounga, Jul, 24 to aug. 1, 1904. Janubranga, March 15, 100 (19 Manila, (9 0)., August 14 to Dept. 15, 1901; us I left the city on the last date these Shrines uttered their rattling notes from overhead wires. Camp & Ingg, Sangavinan, Luzon, July 29 and 30, 1905. Marila, Luzon, July to December, 1905. Dan Psidro, Nieva Ecija Province, Luzon, Nov. 27, 1905. Camp Hotseburg, " " 11 28, ". Ceamp Gregg, Pangasinan Province, " " 29, ". Dagupan to Twin Peaks, Luson, Nov. 30, 1905.

208 (Sheet IV.) (Itomela lucionensis (Latham). Armidad, alt. 4500 ft., Benguet Province, Luzon, December 3, 1905 Returning from Baguio to Manila, the first was seen just below Twin Peaks; abundance thence to Manila Die, 14 9 1179 Dogu han to Mayawbang, Pangasinan Inovince Quen, Dec. 1272 Count Josesman, Island of Llumaraz, & secuber 24, 14: Moted on Miree small, wooded islats, off the South end of Dibutu Island, January 5,19. Marila, Lugon Island, Jamery 12, 1907: Very abundant from Currina o lo Javag, Moess Norte Province, Sugar, January 14, 1909. Very abundant from Large to the mouth of the Larage Lavagto Dingras, Hover North, Luyon Jonuary 16, 1907. "Megriad's were noted betweened, ingras and Padsan, Thoras norte Province, Luzon, January 17, 1992 Dingras to Lavag, Thoras Horte Province, Luzon, January 18,1907. Abundant, Lavag Valley, below Lavag, do 1 19-22, ", "to Vintar Lake, doand 4,65,57 ", " " Gasay ", do " to the extreme northwest point of Luzon, do Hebr. 15, 1907, 6 19, 11 Abundant at Naghartian, Noeos Norte, Luzon, 416, 15 to War, 9, 1907.
" from " to Lavage do March 9, 1907.
" Dagupan to Twin Plans, Luzon, Desember 23, 1906.

( Sheet V.) ( Homela lucionousis ( Latham). Olbertail from Twin Pears to Fragino, Benguet, Luzon, Dec. 24, 1906, beering seareer about Colgans. Cloundary of it will have to Laguepan, " a many 4, 1706" Tegaspi, Albay Province, Luzon, March 28, 1907. Up to 2000 feet on Mount Mayon, Legasfi vide, albay Province, Luzon, March 28, 1907. Noted at Tabaco, alboy Trovince Luzon, March 29, 1907. Lucina, southern Juzon, March 30, 1907. On the trail from Baguio to the evast at Dan Figuran-The it was not abundant. Sublan and Magellian, Hand 19 and 20, 1907. Elibiand Tili Hot Springs, southeastern Luzon, June 3, 195%. Dese of Mount Mayon, on the Tabaco side, albay Province, Luzon, June 4 and 5 ;;;; How on Auga Island, P. J. May 29 and 30, 1931 Abundant on the Naujan Prier and Lake Naujan, Mindoro, March 25, 190%. Calapan, Mindoro Island, October 31, 1906 Subaan, Mindoro, Nov. 2, 1906. 14577, Calapan, Mindow, Dec. 8, 1906, the only Undown specimen. The comen: No. 14596. Fud., toon Egador Is land, off Manila Bay, December 16, 1906. Abundant at Isabella, Basilan Island, January 26 and 27, 1906.

L'tomela leccionensis (Latham). (Sheet VI.) On my first visit to Palmas Island, January 21, 1906; none were seen; but, on Colober 7, 1906, quite a number were seen; and one was shot by Deneral Wood, another by the writer. teamp no. 1 to Camp no. 2, Basilan Island, January 28,1901-Ceamp No. 2 to Camp No. 3, Bosilan Island, January 29,19 Camp No. 3 to Camp No. 4, northwest Basilan, January 30, 1960 Count No. 4 lo Camp No. 5, northwest Basilan, January 31, 1906, Tipo Tipo lo Ceamp No. 8, interior of Basilan Island, Hib. 3, 19010. Camp No. 8 to La Mitan, north Basilan, Fishmary 4, 1900. Malamani Island, off Basilan Voland, February 13, 1906. Dabella, Basilan Voland, February 13,1906; collected 16.139. teamp No. 5 to Camp No. 6, south Basilan, February 18, 901. Malusa, west thomas Basilan, February 19, 1906 Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21, 1906 "Musser's plantation, mear Isabella, Basilan Id., Feb. 23, 1900 Abundant on Bucas Voland, off northeast Mindanas, Wetober 4, 1906, when 3 were shot. Lower Catelllier, east Mindanao, October 5, 1906. Two were noted, on Forandsland (off Whean Island), October 12, 1906. Tunibucan Island, October 16, 1906. One near Bona Bona, Dan antonio Bay, east Valawan, October 17, 1906.

(Sheel VII.) Otomola luciononois (Lutham). Deveral or Corregidor Pland, of & Marila Bay, December 16, 1966. Lamboanga, Mindanoo, January 12, 1906. (Dulin I sland, from Julo to Maimbien, Bud Dajo, Graler Lake, and Siet Lake, March land 2, 1906. , [mean aite of Dorey's Camples. 4, Garmany 30-31, 1906] west coast of Basilan Island, March 3, 1906. Jarang Jarang, southern Mindanas, March 14, 1906. Colabato, southern Mindanao, March 15, 1906. Malabang, southern Mindanao, March 15, 1906. Ayala, Western Mindanar, august 3%, 1706. Mariquina Valley, Rizal Trovince, Luzon, September 17, 1906. Pranila, Pasig, Sanjlay, and Chritipolo, Luzon, September 21, 1906.

209 ( Theet I.) 3.86, Hyloterpe philippinensis Walden. Prilippine ofhick-head; Millow-billied Thick-head-One specimen lakin at Partar doubtfully referred to a love. Hyloterpe apornsis Meanis. Mount apo Thick-head. Ayloterpe philippinensis Walden was asen baer of Sabella, on the island of Buselan, January 19, 1904. Refer to Harlant's paper ou Good allows last a por callection. Labar, Libungan Valley, east of teolabato, March 12, 1904. Dicar Vaabella, Basilan Voland, January 26, 1906. Wamp No. 2 to Camp No. 3, Basilandsland, January 29, 1900. Cumalarang River to Camp No. 6, interior of - Baselan Island, February 1, 1906. Camp no. 8, north Basilan, February 3, 1906. Wampe No. 8 to La Milan, north Basilan, Historiary 4, 1906. Camp. No. 1 to Camp No. 2, interior of Basilan, Heb. 14, 1906. Camp No. 2 to Campo No. 3 (at Siper Sifere), Basilan Id., Heb. 15, 1900. Camp No. 5 to Camp No. 6, Douth Basilan, February 18, 1906 Mean Malusa, west Basilan, Fib. 19, 1906, specimen No. 13962 was collected Hyloterpe aporusis. - My two Mt. Molindary specimens (13 Schroder and 14114) may be considered to be apoensis. No. 13 (Robert Schroder) is quite typical; but no. 14114 may, when a quantity of material has been gathered, be

Hyloterpe apornsis mearus. considered a lowland race of apoensis but not of philippinensis which is distinct from the forms 1 Mindanao and Basilan. The lowland form would be distinguished by Smaller size, Spaler and more brownish (1.1. less greenish) back, and paler underparts. Bill smaller. Driging, July 10, 1904 at 5275 feet on Wet. afo trail, Mindauso. 210 (Sheet I.)

Dah-ray'-o (Moros of Laxo Lanao).

Pbe'a - oi - toi, Bagobos of Mount apo, Mindanao.

(Sheef I.) ( Porthornio Cuzonionsis (Suclin). I paw one at Baganga, in 1903, but did not shoot the spenie On Mulegus an River, a short dictance about l'arreclla Mindanao, I noted "small bind, all dark, size of Juneo, Long tail, underlating flight, crossed the river", May 7, 1906. (21. Thay partian, Hocos horte Province, Luzan, I saw a black brid the size of Southornis, leaving the attitudes of a Mhipidura, and inhabiting jungles in which there ald dood trues and fallow timber mingled with mice. Itters a queer note, and whistles a long, singular ditty. Inoled, Fieb. 26, that it has a long white mark on the wing, and sings at dusk of givening. Seen, also, at Mariveles, in Bataan Province, Lengon, in august, 1903, where of Jirst heard its very peculiar whistle. I Muik I have Meard it on the Island of Mendances. Theard the wingular note 2 of a bird of this genus on Balut Poland, of the Darangeni growp, off 2 ou Miern Mindanao, January 23.

211 (S.l. of 1.) 383! Para eligano Losora. Can-cohx" (Income of Buguet) refer Phinispine Vituouse. Cah-cahk. I) collected this spices at Marwelis, in Bataon From Ligon, 1903. Flore is of the firelly betwee Leguent the fine Trees of Bouguet, attering notes similar to those of our Regulus Batrapa. Abundant around Baguir, 3.00.1-12,1905 Summit of Mount, Santo Jonnes, Buguet Frommer, Luzon, December 10, 1905. Meade Read, Benguet Privince, Lizon, Ju. 13, 1905. Que on the Sand Ridges, between Languallinten, Hours norte Province, Luzon, Fromary 7, 1907. Dono one of the Burdett autimony Thin, entreme northwest point of Luzon, Hebruary 19, 1907; quite menous at Nagpartian, Hoeos Worte Province, Mil. 15 tollar 9, 1907 Of the number acen I noted that none had the light back that Mr. (Br. Mus. Calal) attributes lise Many were neen between Naghartian and Laoaa, Hocos Norte Province, Luzon, March 9, 1907. (H' Hought's-in-the-cake, morting Bougest, in ... July 20 to august 3, 1904, it was ab unda 1, , .... me if its common notes a cat-compresenting Thore of the cat beind and bluggage Bagnice, Benguet Portrine, Lugar, In.

2/2 ( Black . 1.) 384. Parda Charus Lara Rara Circo Cinco Cinco . and the same of the same This species was not uncommon on the high mountain range between Parang and Lake Beilig, Whin = dano, Cetobre 3 to 5, 1903. a few were observed in the neighborhood of Saular, Min-Hit fin My East Coast Range of Windanger The Bogange and agusan hivers, costern May 1, 1904 noted on the divide between the Cateland agusan niver valliez, eastern Mindanat, May 3, 190". Com, and with a large cires of Prodationes legans slegars from Lugon Island, species 1. 0.14 115 from Mount Malindang, Mindanao, bears out the characters of mindanensis, which was based on Mount apo, Midanao. I found this species at lowing Partar (altitude Jeet), in the interior of Mendanan; and it was collected (atherdezzoolat) Jake Janao, Mindanao On July 5, 1904, I noted it at 7400 fector Mount Opo, Mindanao.

Kahl-lee-ling-lee'-ling, Bagobos of Mount apo, Mindanao.
332 Die udrohaila ornochlamye Shorp. toamp Ao. 1 to Comp A o. 2, is toron of the law, to 12, 14, 14 The formail luck , the suprac, litar black plings. Of the Malindang pair, Nos. 14190, 2 ad and 14116, 3od. These two summer opicineus liffer from 3 Cana (Raine Prov.) sinuter of reining in having a very dustinct (doccurs make which is not apparent in the 3 Lugar At willie the Bureau of Science Pollection. The under parts are durller and more reddish in the Malindang skins, which have no blue behind the eye, the brownish extending clear up to the inpraorbital black dripe in the male. (collected at leasely buttley (attatiste 2 200 feet), on Lutte Lanar, by Colinflain I forthe Colonies, to Come. (Cu Coast Bolod Island (sometimes a noum an Castle Sive K), Manuary 10, 1906, a saw a milhatch, which, on gene, raplue grounds, should be this openes.

(Sheet I.) Callisitta mesolinea ( hant). Luk-cahf (olgoroles of Benguet). (Cloundant around Beguio, Benquet Province Luzon, December 1 to 12, 1905. The brauliful blue Huthatole roams through the price woods in the company of the tilmier, Mungipious, and selvereyes, oto., forming mixed flocks as in the winter woods in The Northeastern United States. They are more superficial in Mair search for food on the tree bank Than our Omerican muthatches, probably not finding it necessary to make as detailed examination of the whole tree on account of The greater celoundance of food; but they cloub ui ig the higher limbs in dindet the same way, uttering a faint, aqueaky note which bears but slight resem-= litance to the moles of our muthatolies. This Muthatole has yellowish-white vides; bell and bare space around eye yellow-Luminist of Mourit Vanto Jones, Benguet Voronice, Luzon, Dicember 10, 1905. Meade Road, Douguest Promince Lugar, Non. At Haight's -in-the-oaks, northern Be . quit, I were, July 20% (luguest? 190%, it was " y ale and a . 7. fregarious; its notes quetevaried.

(Sheet II.) ( reministra men X Grant). Very about at the weight of the just in the territ nightered, where it, and it at the legit will are trans Demany 1. 1. 67. Vinnerious Confront Har and Survive, Arm 2. c. 4. 1. 2, a. U, 1427 Describing by the Magillia it will from Brown to The fine forests, which and along Sillown which your Callisitla frontalis falawana Harlest, Bull. B.C.C., XVI, No. EXVIII., Nov. 1, 1905, Jn. 11.

Ot Melville, Balabar Island, October 16, 1906, I saw two, and leotleted No. 14440, Fad. Fris yellow. Bill orange-red.

(Shee: 1.) 355, Diearung worinter Levern. Dred College This species was abundant at Denagat on the Island of Dinagat, Opril 21. 1904. It frequented clearings in which bushes had replaced the forest timber Abundant at Davao, southern Mendanao, July 15 to 20, 1904. Jatura, agusan River, Illindanne, May 6 and 7, 1904. Haliva to Patrocino, aquean Kir, Mindanas, May 7. 1404 Not uncom non at Magharlian, Hoces Horte, Luzan, Heb. 15 to War 9, 190% Barangani Island, off southernellindanar, fannary 23, 1906. Prabella to Comp. No. 1, interior of Basilan Voland, Fitmany 13, 1906, when I collected of wines No. 13950. 2.1. i. ourmon, one shot, lourn Contect Rura, & Mudanas, Cet. 5, 1906 (Tang pand, on Dring negular Bry, routher Witnedawar Clught 17, 12. Cake Island, Nort Boy, off south Mendarar, 1/20 2,1906. Dulug, east sore of Davao Xhelf, southern Mindanav, June 12, 1966! at Davao, Miridanao, June 13, 1404, young of the year were eatehing meets from the leaves for themselvas, and rettering a note lettethe Easiem Juneo 'R Lagulaya (sea level) up to 650 feet attitude, on the Jayalaya Rivar, base of Mount Opo, southern Min-danao, June 15t, 1904

2/5 (Shectz.) frair is besition for them A show and with the contract of the contract of Ol specimen was fatten behind the Trem of Is abella, on the island in Bosilan. The openies was noisy and quite munerous in ornaling ayala, Mindanao, J. V., april 24, 1906. Coumalarang River and Camp No. 6, interior of Basilan, 11 m 11, 1700. Intert near Court No. 71 near Signatified, in the inte-- Mord Basilan Island, February 2, 19.11. Camp No. 1 to Camp No. 2, interior of Burdands, inh. 16, 1; 11. ibundant, A Burenge, Cotuting River, north Sumar, Colete: 1,1906; Apreniens: 14331, 14332, Jemales. These are inclinity like one from not. Malindang, Mindanao. ( offeeled of CampilKeithley ( stilled 2200 best) by by Chaplain Joseph Colemans, U.D. Ce:

Cah-tee'-moag, Bagobos of Mountapo, Mindanas.

Grow Mount apo, Mindanas,

a male in Mu Bureau of Science collection, taken

June 18, 1904, is the pame size as 11 skins from

Mount Malindang, Mindanas, and only differs

from all of the 11 in having the crown green

instead of gray.

(Sheef L.) white headi Bor-see-uk (Darroles of Benguet for Boos-boos-sec-agh') Motert at Daquie, Bouquet, Dec. 1 and 2, 1905. Abundant in the line woods around Dague, Benquet Province Luzen, Dec. 1 to 12, 1905 Fasconds to the ammonit of Danlo Tomas, altitude 1340 feet. Magle Road, Benguet Provide, Lozon, See. 15 15 Very abundant at Hoights -in-The-on question is agent, Luzon, July 20 to august 3, 1917. a sweet-voiced little bird, usually met with in floores flitting niesdy Through the Truckops. Junios of the highlands, from 4000 feet to the seement of Mount Santo Tomas (7 feet). In descending from Baguiro la San Fernando-fry Hullagillean Janil, Luzen, March, 19, 1904, il was common down to the lower border of the pine zone, above Sublaan.

(Sheet TI.) Zoslerojis u hiteheadi vulcani Harlert. Kah-taa-moque, Bagobos of Mount apo, Mindanas. white headi vulcani Hartest from itout Maintanes, Mindanas as follows: L'esterops malindangensis, view species. Mount Malindang Viler - eye. Description Lefte. No. 14223, Marias culturan. Adult male from the summit of nount Bliss, Malindang growf (attitude about 5750 feet), worthwestern Midanac, Philippine Islands, May 27, 1906. L'escription. - Similar to fosterops recleani, but smaller. Wring 54 against 55 millimlers; fail 40 against 4.2, ; pulmen 10.5 against 12. Color somewhat yellower throughout; sides more whitesthe gray; widdle line of bally yellower; Olin, throat, and chest brighter yellow-Note. - Since describing this stight form, I have decided that it is not sufficiently different ; som vulcani to merit its separation; but compare with the full series from Utt. Opo in the US nat There. Un July 3, 1904, I moled it on lut. Opo, Windows at 7 400 feet and 9 oon feet; and, an Jul, 6, 1904, Ishot one on the summet

Bosterops whiteheadi vulcani Hartert.

Kah-taa-mogue, Bagobos of Mount Apo, Mindanao.

Hah-laa-moque, Bagobos of Mount Apo, Mindanas, Two opicimens from Mount Malindang, Mindanas, are practically like two from Wout apo, Mindanas. Chaplain Joseph Colemens, Usarmy, collected it at Camp Keithley (allitude 2200 feet), on Lake Vanas, Mindanas.

Posterops botanis Me Lugar. Bosterops batanis Mc Gregor, Philippine Journal of Dercince, IL, October 1907, 1.343. teommon in low bushes along alreams in the vicinity of Santo Doningo de Basco, Balan Island, P. J., May 27, 1907. On it flets about it resembles the Dunner Yellowbird Dendroica aesteva) in appearance and brobets.

Tosterops halconensis mearus Mount Haleon Dilver-eye. Zosterops haleonensis mearus, Philippine Journal of Decince, II, October, 1907, p. 360. Luite common at Camp Ua 5, altetude 4500 feet, on a spur of Mount Halcon, Mindow, Mov. 13-17, 1906; Thence to Comp Tro. 6 (6300 feet) it became more numerous Nov. 17-22,1906; also from Comp 20.6 (6300 feet) up to Camp No. 7, altitude 8000 feet, Nov. 21 and 23, 1906; also from Camp No. 7 to summit of Mount Halcon, alletide 9000 feet, Trovember 22, 1903 Lu de scending Mount Haleon, Mindoro, it was abundant at the Mangyan house, altitude 3000 feet, between camps 4 and 5, November 26-28, 1906. Specimens collected, in Mundovo, at: -Ha 14480 Bad, Camp no. 5, attelete 4500 feet. Nov. 14, 1906 " 14481 Fad.

( Wheet II.) Dieaeum frafreense (Lhuelin). Red-trellied Tilourn-perken. Whil 22-24, 1904.
Davao, southern Mindanav, July 18 to 20, 1904.

## Dieacum retrocinetum Hould.

Specimen: No. 14519 Bad., Compileo. 9, Melude Seet, at the point where we left the alag Rurer, Mindows, & icemib 11, 9-1

Dicaeum harmatestictum Sharpe.

(Camp Posoman, Lhumaras, December 24, 1905.

In Campoo.

! 365, Dieacum Aufpoleneum Sharpe Black-and-witte Hlower- Merker. other on the estand of Sula, It, I would the Comp no. 2 to Comp no. 3, Basilow Island, west of Sa-= loella, Manuary 29, 1906. Campe No. 4 lo Camp No. 5, northwest Baselow, January 31, 1964 Carry No. 5 to the Commelarana River, derior of Busilan, Feb. 1, 1706. County No. 6 to Comp No.7 (near Tipo Vipo), in the interior of Basilan Island, Lebruary 2, 1716. Campo No. 8 to La Milan, with Basilan, February 4, 17.00. to amp Nio. I to Comp No. 5, Basilan Island, Heby 20, 1100 tomup No. 8 to (camp 1. r. 4 (Musser's), morth Dandan, Fict: 21, 1904 , Inear site of Doray's Camp no. 4, Jan. 30-31, 1906 Norst coast of Basilan Voland, March 3, 1906.

362. Dieaeum einereigulare Vwenddaie.

Davar, conthem Mindanor, July 18 to 20,1904.

Stand of the Production of the plant of the stand of the product of the Rio Strande (same as of comments, 13399).

(Sheet L) The the think Diction de la como. Carrier and server. noted on the Buluan River, between lakes Bulum Moted at Lubay, northern Mindanas, April 22, 1904 Prange to Barak, Rio Grande Valley, Mindanao, March 7-14,1904. While Libungan River, sast of Cotabato, March 12, 1910 Voled on the Sulary River, northeastern Mindanar, Clfiel 22-24,1904. Whot seem as high a the call a necknowthing Bonguet, Luzon, but weet with, in desending soonafter passing (certie place, on the une, laidague This is Die acum fugg madum. Chaplain Colonieus, collected it at Comp Keitibu, on Lake Lanao, Mindanao, allitude 2200 fret L'avar, conthein Mindanas, July 18to 20, 19012

(Sheet I.) Dienoum pygmaeum (Kittlitz). Signing Hlowerpecker. Left in the Bureau of Decine : Nos 14943, 14948, 14931, and 14714. (Padzan, Coops Norte Promocylizm, January , 1997 ixua serre moted nie a grove of few trees mear the Lavary Puri a short bistance below Taray, January 19,1907. To notes were lille a Titmouse's. Bejoudes lighthouse, Hoos horte Province Lugon, Febr. 16, 1911. Common at Magharlian, Hoear herte, Luzon, ficto. 15 tollar, 9, 1907. Often in thicket's bordering trails, again in tall trees in the forest or along of me. Common from Naghartian to Lavag, Hoeos Norte, Murch 9, 1907. a few where seem on the true , and of side to make , Bengant (Promise, we have, seen at b, 1907. · Not geras higher the oak weef sulling I Dongwet, Lugar, lovet mut with, indeser dring to Baquio, romatte ha su gleach's place, on augusty, ... la fine fille or and end 2 mine seen in the oak woods about Hamilian Sublaan to the Vagillian River, Lugar, Literain, 11. Cilifcot prings, near dibi, souther steradizon, June Base of Mount Muyon, Valaco side, albay Province, Luzine, Prince in. a few on Huga Island, P. J., May 29 and 30, 700

(Sheet I.) Licaium cirretti Twerddale. an immature spiennen (No. 14345), shot at Borongan, east Samar, Oct. 3, 1906, is referred to this. Dieāeum everetti Twerddole. \ Two speemens of these Dicaeum mindaneuse Tworddale.) species before me, No. 14150, an adult, from Mount Malindang, Mindanadax, and No. 14345, young, from Damar, are difficult to indentify. . These two species are so nearly of one rize, and the descriptions so close, that I cannot identify them positivily. The adult from Mt. Malindang V provisionally call Dieacum mindan= - ense, although it closely resembles the plate figure and description of Twereddale's D. everetti. No. 14354, young, from Samar, Jeall D. wretti breause it is slightly different from the Mindanao specimen, D. everetti having bern found in Damar and not in Mindanao.

( Sheet 1.) Sicaeum. Specimens: 710. 13914 a. M13915, Izalvella, Basilan, Jan. 27, 1906. Rbundant mear Isubella, Basilan Island, January 27,1906, when mumerous lively twettering little flocks were seen flying from tree to tree on party ofen hillsides where there were grassy areas between the Camp no. 1 to Ceamp No. 2, west of deobella, Basilan Obland, January 28. Dieacum (spiceis same as Nos. 13914 mind 13915) was shot on the River (when I shot Mousey ho. 6031), Jameary 31, 1906; but the specimen was not preserved. Dicuenin (aprecies the Dume es Nos. 13914-15), moled from Carufa No. 4 la Campe No. 5, northwest Consilar January 31, 19:00; our Buli Buli River to Coamp No. 5, south Busilon, February 17, 1901. Mear Malusa, west Basilan, Feb. 19, 1906, spirmen no. 13963 was colliss. i. Camp No. 7 to Camp. No.8, Busilan Island, Just 20, 1. Camp No. 8 to Comp No. 9 (Musser's), north Basilan, Fir Z., 1906 No. 13983, Sad. Mas abot nie the yard of Mutterry The veria presidence, 2 miles unst of I salvella Basilan Id, Hit. 22/901 Manuk Manka Voland, January 6, 1906 ( compare phrome & Tulu Voland, from Jolo to Mainebun, Bud Dajo, Cerater Lake, and Diet Lake, March 1 and 2, 1906.

(Sheet I) Dicaeum migrilore Hartert Tahr-ig-tel-gon, Bagobos of Mount Opo, Mindanao. Thos specimens from Mount Walindang, northwest Mindanao, appear to be identical with a Mount Opo topotype in the Bureau of Science collection.

2.24 (Sheet T.) (Civis Thick-billed Flower-Pecker. Prince vilus miraceus Tureddale. Noted at Pantar, Mendanao, August, Soit., 1975. noted near Mutaining Falls, Mendanas, Tiluch 31, 1904. noted at Tubay, morthern Mindanas, Opril 22, 1904

(Theet. II.)

## Roimochilus olivacous Twenddale.

Wiled as abundant on the Subay Ruis morthern Mindanao, Opil 22-24, 1904

Mindanao, Opil 22-24, 1904

Maliva, Agusan River, Mindanao, May 6 and 7, 1904

Nativa to (Valrocino, Agusan River, Mindanao, May 7, 1904

Mear Izabella, Basilan Poland, January 25, 1906

Camp No. 1 to Ceamp No. 2, west of Isabella, Basilan

Island, January 26, 11

Camp No. 1 to Coamp No. 2, untimor of Basilan Ist, Not. 14, 2016.

Prionochilus inexpectatus Hartert. Several on treetops at Ceaup no. 5, altitude 4500 feet, on a spin of Mount Halcon, Mundoro, Nov. 13-17, Three Mindorg speenieus, 2 females and Mude differ from Luzon specimens in the Bureauch Seience collection in being somewhat smaller, with quite appreceably smaller bells. & preimens collected, in Undoro, at: -144.62. Ead. Coump No. 3, attetute 2250 feet. Nov. 9, 1906. Fres reddish brown . Bill and feet block. 14493. Fad. Camp No. 5, atteteste 4500 feet, Nov. 16, 1906. Fred red-brown. Bill olive-black, yellow at base of mandeble and on oides of maxilla at base. Freet olive - plumbrous yellowishon soles. Me asurements: 90; 164; 51; 27; 7.6; 14.5; 12.5 millimeters. 14516. Fad. Coamp No. 9, attitude. Jut, at Loot of hell. where we left the Colong River, Mindoro, Dic. 1, 1905.

(Sheet I.)

227 (Sheet 1) 341. Cinnyris sperata (Linnaeur). in Reit-breasted Sum-wind, Abundant at Bacuag, northeastern Mindanao, Afril 21,1904. Two ohot. (Here first mot with by me.) The Boholano natives of Bacuag (migrants) call it Jahm- see, and so do the Visayans of Baring. (Three Souths of the inhabitants of Bacuag are Boholanos, the remainder Visayans + mixed.) noted at Surigao, northeastern Mindanao, April 21, 1904. Moted on the Tubay River from Jakoriga to Subay, April 22-24, 1904. Abundant in cocoanut Trees at Two were shot at Jabanga, on Lake Maint, mortheastern Mindanao, Chril 24, 1904. (Che that a hot at Malanga, on Larelttainit, northeaster Mindamas, africk 24, 1904 Commenon the lower Lubay Valley, northern Mindanao, Opiel 22 and 24, 1904 (Ide's plantation, y miles wast of Baganga, castin Myndana, Opril 27 1904. Umdanas, May 6, 1904; not seen about Jaliga.

(Sheet II.) Cinyrio sperala (Vinnoseus). Jatava to Palrocino, agusan River, Mendanao, May 1/11/11. Varicella, on the Agusan River, Mindanor, May Tout 8, 19 14 Lake Lina olo Valae ogon, Agusant alley Mendanao, May 9, 1904. Delacegon la Buluan, agus an Vuller, Mindanas, Mary 10 andis. Klinging, it wouth of agusan River, Ulindanao, May ... In sociamit trees up to 1000 feet on the base of Mount Mayon, Legas fir vile, (illing Inourine Jugen, March 28,1904. (Tiliflet & prings, mear chibi, weutherstern Luzon, for a Many deen and one openion collected on Balut Island, Darangani group, January 20, 19 daabella, Basilan Daland, Hanning & la 19 1 Camp No. 1 to Coamp No. 2, west of Partella Bosilan Island, January 20, 1 " Aboundant in cocoa-mos mut palmes, on Bucas Island, October 4, 1906, when Dr. Paul C. Fireer shot Nos. 14359 and 14360, males. I saw on flock at Melirelle, Balabak Island, Cetober 16, 1903, when spicimento. 14443, was collected October males (2) from Bueas Island, east of & inagat a land, have the head greener (less coppery) than a male from Balabae Island; the mantle is much darker reddish Torown; and the red of the abdomen is lighter. Luzon and Mindoro afreciment of operata are more like the Bulabae Man the Bucas specimens. Material for comparisons scartly (Shedst. Scinnyris ingularis (Simmous).

(Shedst. Scinnyris disagramis Messages Messages demonstrated).

Anot a case of the interpredation of two forms Messages islands georgraphical intermediate. The form is cridently distinct. I have examined the large series from the island of Bolol and find no evidence of intergratation with the surrors or le qui daris, and the same is true of all the specimens seen from Bucas and Dringat islands.

It is true, however that the forme is intermediate in its characters.

Jahm-sel, Visagan Vilipinos of Mindanao. (Sheet-III.) Commor Bollow shot specimen 110. 13507, Lad, 100 feet about the Bayobo village of Tooncooling on Mount apo, Mindanao, June 15, 1904. (Mundant on Sale oud Island in the Julfoft) avas, off southern Mindanao, July 17, 1904. Davao, southern Mindanar-, July 18 to 20,1904.

(Sheet II.) Cinnyris whiteheadi Frant. Ceritical notes - Two Jemales from Huga Voland Hay 30, 1907, have smaller bills than those of five Jemales from Calayan Island; this difference, among = mig, in the length measurement, to I milliweter In color they are alike. Two adult males I rom leasiguran, on the last coast of Luzon, differ from a large series of adult marker collected on Calayan Testand by Mr. Kiehard to. Me Gregor in having the crissum yulow-green instead of black, the feathers faintly edged with yellow green in Calayan akins. Top of head with gold and violet instead of (principally) green reflections. Rump and upper tail-coverts At skin from Jala Jala, Rival Province, Luzon agrees with the pair from Cariguran, east coast of Lyon The bill of males from Calayan Island averages 16 mm. in length (chord) of culium; that of Casiguran, Luzon, skries averaging only 14 mm. The Calayan Island from is undescribed. Mr. William Dorr Carpenter shot two immature Jamale. on Finga Island, P. D., May 30, 1907.

(Sheet I.) Cinnyris whiteheadi Grant. Several were seen feeding with Posteroruis whiteheadi, at 6000 feet on Mount Santo Towns, Senguet Province, Luzon, December 10, 1905. Cextreme V.W. point of duzon, Hocos horte hovince, Hibr. 19,1907. In the vicinity of Magharlian, this beautiful suntied. was exceedingly abundant from Tebruary 15 to March 9, 1907; but, as this was the molling ocusion I only look " a Kins. It utting a livillering note, and frequents certain flowering trees and vines, about which scores may be found at any time. It flutters like humming birds brefore the flowers, but only for a moment, and often alights. These fluttering flocks, Luding in the cornstance, are beautiful. (Cloundant in cocoa-mit trees, at sealevel, at Careguran, east coast of Lizon, Garain Boller, east work of duzon, Julie and ;

(Sheet I.)

## Ceinnyris juliae Twerddale.

Count No. 5, northwest Basilan.

Camp No. 5, northwest Basilan.

Camp No. 5 to the Cumalarang River, interior of Basilan, February 1, 1906.

Camp No. 8 to La Mitan, north Basilan, February 4, 1906.

Camp No. 3 to Camp No. 4, Basilan Island, February 16, 1906.

Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906.

Camp No. 8, Basilan Island, Feb. 20, 1906; Nos. 13962-68

Camp No. 8 to Camp No. 9 (Musser's plantation, 2 miles west of Isabella), north Basilan, Feb. 21, 1906. Specular: 13975413974.

Musser's Jelantation, near Istabella, Basilan Id., Feb. 22, 1906.

, Inear site of Dorry to Camp No. 4, Jan. 30-31,
1906] west coast of Basilan Island, Ward 3, 1906.

(Shut I.) (Compris jugularis (Linnens). & Cimyris dinagatensis Mearus. Ceningris aurora (Twenddale). The islands of Ma Allippine Cerebipelago man, be compared to the letter A The west or marrow and Infrom the Coalamianes to Balabac, are the occupied by Commysis our ora; the right or shaded side, excepting the islands of Bucas, Dinayat, and Bohol between the middle and Course Murds, and Mu chain of islands forming the base of the letter A are inhabited by Commyris jugularis; and the Commyris deringalenois of the islands of Mer Shilippine Cerelipings are in the form of a triangle, open at the southwest and enclosing the Oula Dea. The marrow chain of islands forming the unstern Ride, from the Coalamianes to Balabae, bre accupied by Ceinnyria gaurora. The vastern side und base, from our Digon (and a few amall islands morth of it). for to Sibula (and oxfreen continuestern asland of the group) are accupied by Ceningrio figularis, with the exception of the islands of Bucaa, Dinagat, Leight, and o Butol, which interrupt its range on the east side of the trearight, and are north and south is in close be onlasto with islands occupied by typical Co. jugulario, but is reparated from the range of Co. austra by there of the largest islands, Celou, Negros and Panay. It, is therefore, by there of the largest islands, Celou, Negros and Panay. It, is therefore,

i interitornue 343. Esimory is jugularis (Linnocus). Cabon - see Viscouran Vilipines of Many, oralis Tahm'-see (Moros and Filipinos of B. At-it (Moros of Buluan Island). in in a surface of the surface of th How it war, 190; but the Muchanie, in Buy to Woted at Marray, southeastern Mindan of " (". a male was shot at Lavar, southern Wheelaw o, Filly was. Worguber 12-16, 1903, as follows: Them Hansanie to Pipara becar, North along the beach from Tay in the form, Norman abundant at Jolo, Lula, November 21-26, 1903; Lauding seen in cocoantet-palms. Bamboanga, Mindanao, P. D., December 2, 1903. Noted at San Sofia, a Spanish fortat Mar = gorsatubig, on Dumanquilas Bay, southern Meridanao, January # 1904. Noted at Bung Bung, southern Mindana, January 30, 1904. (Ubundant at Salis Hasin's residence and on the last cixnules of the Cabasaran Kiver, January 31, 1904 flowers on the island of Buluan, of souther mendance

1943. (Cinnyris jugularis (Linnaeus). Mudanao, February 1, 1904. Fromdat Tambegan, Tambegan Bay, Douthern Mindanas, Fibruary 1 and 2, 1904. At Dijulog, no. Tun Mindanao, P. O., February 14,1904, these Sunbirds were common in cocoanut True Q Sembird like no. 13231" was noted at Lubungan, morthern Mindanao, C. J., February 14, 1904. I saw a female feeding her young in the thatch of a nipa house at Alegan, northern Ulindanao, February 15, 1904. numerous, in cocoanut trees at the Tollok Waval Station, southern Mindanao, P.D., March 2, 1904. Noted at Collabato, southern Mindanso, March 3-5, 1904. " " Kudarangan, " " " april 5, 1904, I heard a song resembling that of this species, but did not see the bird. Tareca king, below Tilaisenace. The Powell boys brought me. the nest of this bird at Zambourga, april 12,1904 World at Deabella, Basilan, January 19, 16114 Rumerous on the Buluan River, connecting lakes Johnson and Liquaran, Mindanas, May 20,1911 It was especially abundant near Buluan, where coesaspecies for from cocoanut groves.

(Sheet 111.) 227 Cinnyris jugularis (Linnaeus). Philippine Yellow - breasted Durbind. noted on the Buluan River, Orliver then Moro village of Buluan and Fill Bellin, Man 22. Its nesto were purse-shaped, hanging from the bowless quite close for the water; and, when descending the Buluan River, May 27, 1904, It was abserved as far down as Pandog. Abundant at Surigao, northeastern Mindanao, april 2021/1012 Abundant at Bacuag, northeastern Mundanas, Chris 21, 194 " Jamboanga, western I'll Juste 1, 1904. Davas, southern Mindanas, Jul, 15 to 20, 19 19 " Jolo, Julu, P. J., March 26, 1906. Maia ripa Id. of DIV. Mindanas, Obsici 1, 100%. Margosa Vulig, D. Mindanas, Cohril 2,19always abundant at familoanga. Very numerous on Little Santa Eruz Voland, St W. Mendanao, april 11,1906. Pyala, Mindanao, J. J. april 24, 1906. Prange to Barak, Tho France Valley, Mindance, March 9-11,1901/ Soranaya Post, Much 11-13, 120 - Calo, March 19 10 ... Bankvanga estero to Cota -

Einnyris jugularis (Tinnaeus). Abundant at Lake Mainit and along the One was place at Jabanga, on Lake Maint April 22-24,1904 Due was place at Jabanga, on Lake Maint April 24,1904 Baganga to Christian (ide's bemp plantation, Trules west of Baganga, lastern Mindanao, Price 26, 90% (Abundant at Juliva, on the Agusan Plus, Mind, May 6, 1907. not seen above Paliva, on the agussia. Jativa to Palrockino, agus an Rur, Mindanao, May 7, 1950. Varicella on the Ogusan River, Mindanao, May Jand 8, 1904 L'ariella lo Lako Linas, Agus an Valley, Mendonas, Mandonas III 1904 Talacogon lo Brituan ( agusan Valley, Mindanao, Haylo : 11 Alinging, at mouth of Agus on River Mundanno, were in 19 finance, northern Mindanas, May 12, 1704. (Languran, northern Mindanao, May 13, 1904 Balingar, Murcialagos Bay, N. Mindanas, 110, 13, 1904. Van Vietro, Nieva Ceija Province, Luzon, Nov. 27, 1905. Ceamp Stotsenburg. Camp Gregg, Tangasinan Province, Lagupan, " " ", Pozorrubeo, " " " 11 30 . Pozorrubro to Dagupan, in eveva-mut palmes, Dec. ate indant on Danmi Island, Dule Dea, January 4, 1906. Dec specimen of young make seller in 11016

Cinmyris jugularis (Tinnacus).
(Abundant on three small wooded islands off the south end of Dibute Island, January 5, 1756 Laray their mon ils mouth, Horas horte Promine Lavaglodingras Hoves Norte, Leizon, Hannary Co. 1807 Dingrasto Diong Horle Province Lizar, Jamon; M. Cont 50,000). Proted January 20,1907.) Common in the Lavaglatter Intourtaine, January 20-22, 1907.
Vintar Lake, Flores North Promise, Luzon, January 24, 1977.

Pavay "

Obundant pringwher between Lavag and Pavay Fake, Filomany 5,1907. One pair on the Jand Ridges, belower La verg and Inian, " 7. ". Common from Lavagtor Nagharlain, Nocos norte Vor, " 15, ". abundant at Nagfartian Hocos norte, Luzon Fub. 15 Collar. 9, 1907 (Pili Hoth frings near Tibi, 2 outheastern Lugar, June ? 1907. To are of Mount Mayon, Tabaco Side alle Province, Luzon, Jane 4 and 5, 1907. Abundant on the Naujan River and Lake Maujan Mindovo, March 25, 1907. Specimen: NO. 14575 Ead.; Colo pan, Mindovo, Dec. 8, 1906. Sarangani Valand, off non them Mindanno, January 23, 1906.

Po-peet; moro: of Basilan (Sheet VI.)
Salut Paland, Darangani group, January 23. [] Ladvella, Bisilan Island, January 26 and 27, 1906 Camp no. 1 lo Camp no. 2, west of Isabella, Basilon Island, January 28, 1906 Camp No. 3 to Camp No.4, northwest Basilars, January 31, 1100 Camp No. 4 lo Campo No. 5, northwest Busilan, January 31,1906; one shot on the River, where I shot Monkey no. 6031. Coamp No. 5 to the Coumalarang River, interior of Basilan, Feb. 1, 19 Daabella, Basilan Island, February 13, 1906; collected to. 13949, Pais. Camp No. 3 to Camp No. 4, Baselan Island, Hebruary 16, 1906. Camp No. 5 to Campe No. 6, Douth Basilan, Fin 18, 70 in Makusa, west Basilan, February 19, 1966 Comp No. 8, northwest Basilan, February 20, Gile Husser's plantation, near Isabella, Basilan Id, file = 3, 190 Estrellus, a Tilipino of Zamboanga calls it Juhm be. Wieva-nut groves at Borongan, east Damar, Oct. 3, 1900 On evera-mut polius at Lanang, east Damar, Oct. 3, 1906. Cateel and lower toateel Kiver, lost Mindanao, October 5, 1906; one shot. Manay, east Mindanas, October 6, 1906. Diani Island, (clober 12, 1706; emmon. On October 13,1906, Deveral Wood pour black-throatest sunbirds on Tunindas Island (of Ditanki Island), which may have been this species or Comyris aurora.

(Short VII.) Manuel Manka Doland, of Jawi Jawi, Jamany 6, 1906. Clatan, Sawis Jawi Island, January 8, 1906. Clair on Dimaine Island, off Soivi Sawi Island, Jamary 8, 1906. ( Coundant at Diatre, Seasi Island, January 9, 1906. Jolo, Dulu Island, January 9, 1906. Willamy peen, and a openimen collected, on Bolick Saluk doland, wast of Basilan Soland, January 10, 1906. Sambounga, Mindanao, January 12, 1906. Walled city of Moto, Dula Dolhad, March 1, 1906. Dulu Island, from Jolo lo Maintoin, Bud Dajo, Cerater Laple, and Siet Lake, March 1 and 2, 1906. Jarang Parang, southern Mindanao, March 14, 1906. Colabato, southern Mindanas, March 15,1906. Malabang, southern Mindanao, Murch 15, 1906. Janghang, on Quina aguitas Buy, southern Mindanac Ougust 17,1906. Capo Astand, Igatilday, of south Mindanar, Opil 2, 1906. Algala, western Mindanas, (mon 1 27,1906. Several Juine on Ata Madan Island, off Cooler, Softweller 3,1906 Camp Connell, west coast of Damas Island, Defilember 5,1906. Duling, last shore of Davno Sulf, southern Mindanas, June 12, 1904. Ut Davao, outhern Mindanao, June 13, 1904, its song Decimed to me not inlesse that four Chestnut - sided warbles.

On Compris annora ( Turnillair).
On Compo Island, Dulu Dea, September 10,1906, it was
very abundant, especially in groves of evera-mut palms.
Puerto-Princesa, east Palawan, Deptember 11,1906.
Leper colony, Calamian Island, September 13,1906.

(Sheet VIII.) Cinnyris jugularis (Linnaeus). Tagulaya, west phore of Davao Sulf, southern Mindauso, June 14,1904. Abundant on Salived Doland, Davas Sulf, off southern Mindanao, July 14, 1901. Davao, Doublern Mindanas, July 18% 2,0, 1904. Cotabato, pointhem Minlanas, 10 july 23, 1904. Lulug, east coast of Joyte, July 25, 1906 (us no epicimens were shot, it is probable that this many have been Cinnyris dinagateuris.

224 -(Sheet I.) Cinnyris (Cyrtostomus) dinagateusis (Mearus). Dinagat Orange-breasted Sun-bird. At Dinagat, on the Island of Dinagat, Opril 21, 1904, I discovered this species It The species was abundant, and flew actively about after a heavy shower, singing a levely and sweet Dong in the air and also in trees at the borde: of a clearing It difference in its song led me to suppose that A was different from C. jugularis, and, on shooting an adult male this supposition was confirmed. Very abundant on Bucas Island, off northeast Mindanao, October 4,1906, when Confilain Halslead Dovery and I of Saul Co. Hiller shot Theomen & 14361-1. These 3 skins are typical dinagationsis. Compared with a large series of jugularis from Luzon and Uludanao, no intermediates are found. In addition to the orange mark on the sheet, this species differs from jugularis in having the under parts as a whole of a-much more interese yellow. There is also a stronger tendency to black melallie spotting on top of head. The female, on the other hand is if anything The glithe paler than jugularis. To tohot specimens colfe de sir large veries by Unturyregor, are lexpical dinagateusis and do not intergrated de with either jugularis or aurora.

Cinnyria guimarasensis Stoere.

Cump Poseman, Guimaras, Derember 27.

2 33 (Sheet I.) Aracunovivera !! !! !!!!!! Deen on the last pix miles of the Cobasaran Prize, southern Mindanao, Danuary 31, 1904 Tot : con were at thereton, but we in the Committee of the co Noted at Dealella, Basilan, January 19, 1901. Quite numerous at Tubay, northern Mendanao, april 22, 1904, when I shot two of them. (Ilso scen fup the Tub my River, mean & andrego, april 23, 1904 Tented Costwern ade's plantation and the Priver, vaslern Mindanao, Oprel 27, 199:

234 (Sheet I.) Author (is) 351, anthorthreptes allorigaster Sharke. Sharpe's Brown- throated Sun-Bird. (Po-frect, Meroz of Basilan Valand. Musser's plantation, near Isabella, Basilan Id., Tib. 22, 1906. Camp no.8 to Camp No. 9 Musser, s), north Basilan, tet-21,19.1. I have taken this brantiful species at the island of Holieud in the Gulf of I avect, and on the islands of Aulie and Congression Suite Juinting in .] This gorgeone Dunbard was abundant in the tues nut groves around folo, on the reland of Dula 1 Novembre 21-26, 1903/0.11 12111. In the hospital yard at Bamboanga, Mindonas, P. J., Lecember 2, 1903, of saw what appeared to be a male of this species. Though seen many times, later, I never felt quite certain of its identily. Common on the pland of Congayan Sula, in the Duler Sea, Fichmany 25 and 26, 1904. It was most numerous in excount trees was the short; leut one (was short on the top of a mountain authoreptes commences. Campo No. 4 to Comp So. 5, northwest Basilan January 31, 1906; one (No. 13929) shot outle River, where I shot and, Camp No. 5, and temmalarang River in the interior; Basilan Island, Fishmary 1, 1906. De abella to Camp No. 1, interior of Basilan Id., Feet. 13, 1906.

Lieves of comments in the Colly, citizen your property At Dagango, esser Mindanao, O. J., on Colote 122, 1903. 5 moted a "small black bird the raise of a Rober," which may have been this torid or, possibly, the Block Thrushof We. apor It uttered "a process water." Vien on Alu west side of Lake Lando, Mond., Nov. 2, 1903 One shot, Hebruary 16, 1904, at the Subanovillage of Mucas, on Sarangani Bay, northern Mindanao. and not not the first of the second to sing the Roted at Camp Vacana (3000ft.), Ittendame, Chia Foled from Comp Vicara to Souir, on L. Lance, Uludanar, Cifrie 2, 100 " Sour, on J. Land, to Rogaran, in the To race Holley, Whind, Upril 3,1904. Noted near Isabella, Basilan, January 19, 1904 Noted between Pantar and Marahui, Mendanno, Sept. 27 always common around about Lamboanga. Examine opicionena collected to very any is balicassiis. Obundant from Joranaya March 10 Labaz, Libungan Vulley, gast of Colobato, March 12 and 13, 1904 Latte Mairiet, portherne Midanas, April 24, 1904. Lubay Niver, northern Illindanao, afril 22-24, 1904. 113 arcorping, a tributary of the agus an, castern Mindanao, May 4, 1904 Sati Vinao to Valacogou ( sausoul viley, Mindano, May 9, 1901)

Maroke manoke m que'ia; ruoros of Busian (Sheet II.) Dierurus striatus Tweeddale. Near Osabella Basilan Island, January 26 and 27. Camp No. 2 to Camp No. 3, Basilan Island, January 29 1910 tramp No. 4 lo Coamp No. 5, northwest Baselan, francisy it . ... Cumalarang Whier to Comp No. 6, interior of Basilon, February :! Dabella lo Camp No. 1, interior of Basilan Id., Hit. 12.1700 Camp No. 1 lo Camp No. 2, interior of Posaselan dd., Feb. 14, 1901: Junahobing Kiver, south Basilan, February 16, 170's Mear Malusa, west Basilan, February 19, 1906. Comp No. 8 to Camp Na 9 (Musser's), north Basilan, Fist. 21. 911. Musser's plantation, near Sabella, Baselan del, Tiel 2,190-Vancyfrang, on Dumanquelas Bay, southern Mundavas, Ceaup Overlow, northern Mindanao, July 9,1906.

Dierurus balicassius (Linnaeus). Drongo Camp Gregg, Jangasinan, Luzon, July 29 and 30, 1905. Liquitenant Charles M. Maigne afterwards made ahandsome water-colour sketch of thisdrougo at Camp Greg Count Hotsenburg, Lu zon, Nov. 28, 1766 Base of Mount Marjon, Legaspi pide, Albay Province, Luzon, March 28, 1907. Casiquean, east coast of Lugary, June 1, 1900 Water, past locst of Lugon Il. (Ibundant on Mount Mayon, on the side next to the town of Tobaco, (ilbay Province, Luzon, June Yand 5, 1907, Gangary up in Engine Dubaan to the Benibi River, castern Mindow, Nov. De nibi River, Mindoro, Koveniver 3 and 19 Clag Kwin, Mendo so-, Mov. 5-8.19: Luite numerous in a plearing made by the Mangyan tribe, on a spier of Ult. Halson, extending from 3000 to 3300 feet altetude, novembre 12 and 13/1906; one shot. One at 3000 feet, on a spur of Mount Haleon below Camp No. 5, November 13, 1906. Buena Vista Hill, Camp no., alletude feet, Mindoro, Deember 4 and 5, 1906; utters a protty whilte.

Sierusus balicaseius (Finnaius).

Spiciniens collected, in Mindovo, at:

14476. Fad. Compilio 8, actiliate 3000 fut, Mor. 13, 1906.

14514. Ead, do Buendhita His "30, ".

14528. Fied. Compilio. 12, actiliati fiet (esterosing fliting) Dec. 4, ".

14534. Fai. Rubaan, Hindovo. "5.

Dienes 236 298 Chibia horneensis Starpe. of sour Mis only on the islands of Dulu and Cagayan Xulu. On the island of Sulu, P. J., Wovember 12 to 26, 1903, Atus ppecies was seen as follows: Out the residence of the Panglina, Hassan, November : cin-Several were seen on the trail connecting Dalla I ha's residence with six 3'2 miles ruland with his market at Bual on the sea, February 21, 1904. On The many 26, 1904, I saw several frains on the island of Cagayan Sulu, sir Mu Dulu Dea, Some urne in the woods, aliens in a cocoanut grove. Que premien (No. 13385). On Sulu Doland, british John and Bud Dajo Oct. 11, Two were noted on Cagayan Sulu Island, October Dulu Island, from Noto lo Maintin, Bud Dajo, Cerater Lake, and Sich Lake, March land 2, 1906.

Chibia empensis Me Green.

Quite common, 2 & proincus la Ken, on Compo Feland,

Quelu Sea, September 10, 1906; has a very more to note.

Budytes down leneostriatus (Homeyer).

I Budytes down leneostriatus (No.13390 & ad.)

I shot one Wagtail fand sow Tree others slegly fletting along the rocky shore of the island of Cagayan Sulu, ni the Dulu Sea, February 25, 1904 At a large fresh-water frond on the south side of the island; Captain Laughorne shot Budytes flavy len costriatus was Tholed at Durigao, northeastern Mindanao April 20, 1904. a comple of Wagtails resembling motocilla boarula melanope was deen at Manila, September 30, 1905. Wagtails frequented the Manila mont, outside the city, wall, stalking over the mud and into shallow water exactly as Dand pepers do. They were aloundant during October and November, 1905. During Ist weat of Covil, 1906, at breame very abundant in the Abundant at Zamboanga, April 11, 1906-lencostrutus Doranaya March to Labas, Liberryen latter, each of Cotabate, March 12 and 13, 1904 Barok and Reranaya, Rio Brande Valley, Mindanao, March 10-12, 1904

240 Sand 1 Motacilla hournen. X stray - 1 1 - 111 min Mind ail stoling Kon - it - how - it is how if if when it Holed at Baguire, Benguet, Lee land 2, 1905. (1. number of large "yellow" Wagtails were seen in the wagon-road between Walabang and Camp. Vrears (altitude 2800 feet), Mindanao, November 1, 1903. Mumerous at leamp Viears and along the western abou of Laste Lanao, November 2, 1903. Ho Waglail was found at Collabato, March 3-5, 1968. Waglails, apparently this species, flew ahead of us along ... road from Malabang to Ca. il lucais, viculanas, inas Taraka River, Lake Lanco Basin, April 5, 1904. Some may have been this species. Soveral were ocen along the wagon-road of row Pantas to Marahui, Mindanao, Deplember 27, 1903. On the following day many were seen on rocks bordering Latte Lando; also noted at Camp Viears (altitude about 2900 feet), September 28 and 29, 140? (1 few of these larger Waglaile frequented the wagowrould from Camp Vrears to Mataling Falis, continually flying on before us, after alighting and fluttering in the dant in the first ?

Molacilla boarula melanope Pallas. Lave Mainit, northern Mindauao, April 24,170: Between Jabanya, on Lake Mainet, and Danliego, on the Subay River, Inoted: "Two openies of Waglands were lively elements of the bird acenery along this fairt of the river. " Also: "(Roundant overywhere" on Latte Mainit and the Subay (Twis, Ofril 22-24, 19.14-Vn streams from Baganga to Christian (Ide's heruf plantation, I miles west of Baganga, E. Mindanas, Office 76, 1100 11 row (lde's plantation west to the Oliver, eastern Mindanao, Coprie 27,19 -On April 29, 1904, a few were seen on rocks of Baganga River; and, higher up The Bayanga, on April 30, the opecies breame more in man. Harry were seen on the struct of the bread tealeck Minn, earlem Mindanas, May 2, 1904, above the Vilandayan Village of Louice; also at Calalagan on An whole Calcel River May 2 and 2 if oud on the head of the Cooled in the Coost Mange Mountains, May 3, 1904: Holed throughout the upper course of the Bacoco River, a tributary of the agusan River, eastern Mindanao; May 1, 1400, also from Tingali on the lower Bucoca River to Compostela on the upper agus an River, May 5, 1904.

Motacilla Carula melanope Pallas. Moled on Me agusan River at Compostela, in the interior of Mindanas, May 5, 190%. Pilar to Jativa Ogusan River, Mindanso, May 6, 1904 Manila, 1.09., (lugust # 14,1904 Ban ban River, near Comp Stotsenburg, Luzon, November 28, 10,5 Bued River Valley, Luzon, Nov. 30 lo Dec. 1, 1905. Not uncommon on the roads and ofenings in Alu pine woods around Baguio, Benquet Province Luzon, December 1 to 12, 1905. (B)rinidad, allitude 4500ft, Benguet Province, Luzon, Dec. 3, 1905. Meade Road and Buck River Campon , Luzon, Der 12, 11 Odued hur Campon Juzon, December in Dagupan to Bayambang, Pangasinan Province, Luzon, & ce. 15,1903 Cloundant from Courrinas to Large, Horas Norte Saverine (Xuzon, January 14, 1902. Lavore of Prime invaries mouth, Hosestorte, Suzon, Jamary 6,1959. Angras to Tadsay, Hocos Horte Juson Hannery 19 135 Surral besidette Lang Ruis bolurendingras and Lang, Hoers World I vovince Lugon, January 18, 1907.
Common wongthe Lavag King Irlow Lavag, January, 19, 190; Lacagto Vantar Lake Hocos Horle Luzon " 23-24", La obegliver and Sava & Lake do On all streams & sea beaches, Laragto Nagfartian Tebr. 15,1907.

Motacilla boarula melanope Pollas. Hearee, frequenting the stony riverbed, at Naghartiain, Hocos northe Province, Luzon, February 15 to Manch 9, 907. Everywhere on streams and sea boaches, from May = = partien to Lucay, Hocos norte, March 9, 1907. Lagunar River and read River, western Lugar, Juc. 22, 1106. ( Cloudant, though 1 of in flower, wherein there was Houring unles, Low Juni Penis to Beguin, Benguet (for oring a longen & ecomber 24,1966. More commen than of have receil discurbere, allalong The Buil River, wend in the open from woods up to 5000 feet, And the vicinity of Comp John Hay Benguet France, Linger, Sice, None remain in the Benguet highlands breyond At month of May. Abundant on the Naujan Priver and Lake Naujan, Mindoro, March 25, 190% Mouth of BacoRiver, Mindoro Daling, Nov. 1966.
Benibi River, Mindon- Nov. 3-5,1966.
Common, singly, on boulders in the alagrave, Mindoro, Nov. 5-8,1906 Orde pair, Spierdien collected, on Balut Island, Darangani group, October 8,1901

Juli 1-12 - 24 (Sheet I) 323. Molacilla melanope Jallas. Legistic Vicion Wagtail. Grobably more please one species is middled; pr. aprilled; "Yellow Wordtails were resoled at Banis and Tiling At Baganga, eastern Mindomar, Celober 22, 1903, I sam serval Waytails Slitting . In the ?! - tail was occasionally seen floating on a forgon one of the log fenders placed by the natur Moros as a protection against crocodiles Na glails were seen at Davas, southern Ulindans. noted at Bula, Sarangani Bay, " 26, 1 Moted on Sulu, November 13,1903, in crossing Tun estiva from the income of the in it is ifellow - billied Wagtails" were noted on the frail from Upais house to Cerater Mountain, November 15, 1903, and about Cerater Mondain, November 187 &; some were cen on the brock near Kiet Lake, Morrison ; it; along the breach from Taglibi to folo, November 21 1916. at Jolo, Yellowbreasted and White-breasted "Waglails were noted, of Some

(Sheet II.) 323. Molacilla melanope Pallas. (i intre - 1 1. 1. ale maie (1/10. 12158) shot at Zamboanga, Mindanas, Decem = brs 7, 1903, has the breast white spotted with yellow, ( female (No. 13159) shat the same day had the breast yellow. "The smaller Waglail "was noted at Dipulog, northern Mindanao, V. J., February 14, 1904. The smaller Wagtail" was noted at Lubungan, north-= ern Mindanao, (P. D., February 14, 1904. "The smaller Wagtail" was noted at the Subano village af Sindangan, on Sindangan Bay, northern Mindanao, February 16, 1904. None Deen at Coottabato, Marci 3-5, 1904 "Yellow Waglails" were "memerous" at Kudarangan, on the Mio Dravde, conthern Mindanav, P.J., March 6, 1901: "otest at Camp Vrears (3000 feet altitude), Mendanao, Maco". In flooris in old garden weathe at Comp Vienes (3000 feet), illustrano, april 1,1904. Two ofecimens shot (20.13424-5). World from Complicars to Sovier, on Take Lanco, Ullendanao, Cepril 2, 1904.
Noted from Ragayan to Tarcea Rice, to Lake Lanco Basin, aprily, 1904 Treat members were noted on the Rowert portion of the Tanaca Pivin, belover, Malungan, Opil 5, 1900; also at the Xtertunan and the upper Taraca River, april 6 to 8, 1904; between Dalaman and Basanon, Circles. At day break, april 9, many Wagtails were Alysing about our camp and Basanon Wite bother Camp Vicare and Waldshing, april 11, 1904; commended have brown Westacilla

241 (Shut-III.) Budytes flavus leneostriatus (Homeyer). asiatic Gellow Wagtail. September 29, 1903. Noted at Durigao, northeastern Mindanao, april 20,11,04 Two seen in Malate suburb of Manila, Sept. 19,1905.
Many seen on road to Host William the Kinley " 22, "
Noted at Surgas, northeastern Mindiana, Ofrel 21, 1904 Abundarit at Bambounga, Janto Mar., 1906. Enormous Hocks at ayola, Mindanao, P. J., afril 24, 1906. Now very yellow on underpails. Noted at Baguio; Benguet, Dec. 1 and 2, 1905. (Moundant from the Upper Xibungan Kir, east of Colobato, to Deranaya, March 11 and 12, 1904. Holes resemble these of our Kingbird (Lyramus 1, 1. Very abundant on the Rio Drande from the mouth ofthe Seranaya Estero to the surremouth, Morein in ( Pleundant on the Dubay River and whores of Lake Mirenth, northeastern Mindanno, (Upril 22 24,1964. Daganga to Christian (l'de's hemp plantation, Frakes west of Baganga, oastern Mindanas ( of: it 26,11.11 Composlela, agusan Rivir, Mindanav, May 5, 1911 Agusan River Arom Silar la faliva, Mindanar, May 6,1914

(Sheef IV.) Widgles flavus Senostrialus (Homeyer). Only one noted on Lake Lenas, (Cyusantialley, Hind, 11 , 30. Many "neded at finances, northern Mendanco, May 12, 961! Comp Hotsenburg, Juzon, Nov. 28, 1965 Pozo rruber, Pangasinan Province, Luzon, Nov. 30,1900 L'é four were oven in openings of the pine, woods about Baguio, Benguet Province Leison, Dic. 1-12, 1905. Hundreds Horned about the grand margin of Arinidad Lake, Benguet Province, Luzon, December 3, 1405, where I noted its often alighting and perching on werein Meade Good, Benguet Croving, Ligni, or Bued River Conyon to Daguepan, Sugar Dimente. Dagupan to Dayambang Jungasinan Province duping 111/11 Moundant from Currinao la Laray, Horas norte Province, Luzon, Manuary 14, 1902. Abundant me the collevated lands bordering the Lagage wir below the town of Lagage, January 10, 1900. La ragh wir forom Lava of to Long, az , Hocats North, Luzon, Jan. 16, 1909. Abundant slong the Lavag Rivir L'elow Lavag, January 19,1905. " from Lacagto Vintaritake, Hocos Worte, " 23-24,170; Lacag River and Pacaglake do Hibr. 5, "
Abundant from Lacaglo Naghartian, do "15, " der " 27, "

(Sheet 4.) Budyles flavus Concostriatus (Homeyer). Luga, Inn to Sibra Sea: s, Pargasinan I, come, Vergen, Dec 23, 1906. Javin Spara to Count to la Hay, Benguet, Lugen, & 02.24, 706 11) E. D. C. 23,1906 le Ma mary 4,1907, I fond it aboundant at sealevel at Dagupan; abundant at Trundad Lake, 4500 feet; and occasio. ally wheel dans, of a place is the vienity of Baguio and Camp John Hay is your the On May 6, 1907, some were still present at Vrinidad Lake, Benguet Province, Luzon (Spenn 15 145) all lift the Bearquet highland & bafor the middle of May, 1907, none remaining to orea. It we. Legasfii, Albay Groviner, Luzon, March 28, 1907 Up to 2000 feet on the base of Mount Mayon, Le gaspi aide, Albay Hovinge, Ligon, Ward 28,1907. Morks whe moted, on the Magillean Trail from Baguio to the coast at Camp Wallace, Lugar Harele 19 and 20, 1907 Orgithaup Wallace, La Union Province Luzon, May 2017 Hoeks were seen at Cantod oningo de Basoo, Batan Island, O. C. Janes & Naujan to the Naujan River, eastern Mindoro, Warch 25, 1967; also on the Naujan Prier and Jake Manjan the same. Calapan, Mindoro Islandi, Delover 31,1965 When a flock of about 30 passed over from the north, on October 7,19:16.

(Sheet VI.) I dytes flavus lencostriatus (Homeyer). L'aabella, Basilan Island, January Dand 27. 1951 Thomas in the burnt pogonal & from Lipo Lipo to Camp no. 8, interior of Basilan Island, February 3, 1706. Ceamp No. 8 to La Mitan, north Basilan, February # 4/906 to alcel, east Mindanao, October 5, 1906. Manay, east Mindanao, October 6, 1906. Dulu Island, from Jolo to Bud Dajo, October 11, 1906. Diasi Island, October 12, 1906. Deveral, on Loran Island (of Whian Island), October 12, 1906. Sulu Island, from Jolo to Maimbien, Bud Dajo, Caraler Lake, and Diet Lake, March 1 and 2, 1906. , Lucar site of Dorey's Camp to. 4, Jan 30-31, 1906 | west coast of Basilan Island, March 3, 1906 Parang Jarang, southern Mindanao, March 14, 1906. Several on show of Coalamian Island, Defiterular 13, 1906. Mariguina Valley, Rizal Province, Luzon, Deplember 17, 1906. Pasig, Taylay, and Auli polo, Rizal Province, Luzon, 20ft. 21, 1906

Man-oke Laal-ong (Moron de 3) 326. Anthus sufulus Vicillat. all of my speciment de Constitues me inclusion. abundant at Jarang, southern Mendanas, Ciriore 18 Noted at Bula, on Sarangani Bay, " " :: " West side of Lake Lanao, Ulindanao, Novemini ? North 11 11 11 11 11 11 11 11 11 11 11 11 On the island of Seeler, many terre seen in cross-= mig Atin iclaud from Diei Em, North to . One the Frail from Upair house to Parata Masuration Nov. 16. Dome were sien along the beach, belivious to girli and their N. July November 21-26, 1903. Titlands were noted at Jolo, Dulu Toland, Feb. 4, 1904 Noted at Dipulog, northern Mindanao, P.J., February 14, 1904. " " Luburgan, " " " Hebruary 15, 1904. " " the Subano village of Sundangan, on Sundangan Bay, northern Mindanas, P.D., Fiebruary 16, 1904 I sould find no Tillark at leotlabeto, March 3-5, 17:0. Noted from Walabang to Camp Vnears ( o to 3000 feet 1, March 31, 1904. Welet as abundant of Comp Viscars, 3000 full, Mentano, april \$ 1904 Visted from Comp Vicare to Souis, in Laste Louro, Mendanas, april 2. 1964 World in small in the Yaraca Valley from ampuanika's cota at Malungan to the rivermonth, april 5, 1904.

(Sheet II.) 326. anthus rufulus Vieillot. Findian Pipit. Noted at Prabella, Deland of Basilan, January 19, 1904. Hotel at Camp Vicara (alletide about 2900 feet), Mendanao, September 28 and 29, 1903; also from Comp Vicais to Waldbary Dept. 29,1903; also at Malabang, Ullindanao, Cet. 1-9,1903. One seen in Collett, Manila, Dept. 6, 1905. Abundant at Manila, September 20 to 30, 1905; Oct. 1 alyala, Mindanao, P. J., april 24, 1906. ( Suntar, Mindanar (1800 fut) Jugast + September, 1903. Deranaya Marchito La bas, Libringan Vacley, cost of Cotaliato, March 12 and 13, 1904. Noted at Bagnio, Benguet, Dec. 1 and 2, 1905. One was shot at folanga, on Lake Mainit, north = = eastern Mindanas, afril 24,1904; abundant of Jabanga "a few noted at Baganga, rastern Mindanao, april 26, 1904 Do Jaganga to Wherestean ( ide's herefo fo Cantation, 7 mules west of Baganga, lastern Mindanso, (ifril 26, 1904 Langaran, northern Mindanao, May 13,1904 Baliangao, on Murcialagos Bay, 11. Mindanco, May 13,1904. Camp Gregg, Langasinan, Luzon, July 29 and 30, 1905. Dan Isidro, Nueva Ceija Province, Luzon, Nov. 27, 1905. Camp Stotsenburg, ", ", ", 28, " teamf Dregg, Songasinan Province, ", 11 79, ". Dagupan, " " " " " 30, ".

326. anthus rufulus Vieillot. Undean Pipit. Many of these Sipita were observed along the wagon road from Pantar lo Marahui, Muidanav, Sept. 27, 1903. Dagupan to Daguio, Luzon, Nov. 30, to Dec. 1, 1905. Not uncommon in when places in the June Levrests of Benguet. (Commber were seen on the military reserve now known as teamp tohn Hay, mear Baguiro, December 1-12, 1905. Leveral noted baside it rividad Lake, Benguet Province Luzon, Dicember 3, 1905. Medel Road Banquet Province, Luzon, Dec. 13, 105. I Qued River to Lagrapan, Vangasinan Province, Luzan, Dec. 141905 Dagupan to Bayambang, " " 15, 15, 15, 15, 16 from Curring to Lavag, Hour Worle, Luzon, January 14, 1969. Large ( wir, below the town of Laray, January 16, 190%. a a a q to Daigra & Liocos Morte, Lugar, January 16, 1907. Many nioled bestween Dingras and Sadsan, Thoros Morte, Jan. 17, 1907. " in the Tavag Valley below Tavag, slo " 12 x " " between " and Vintar Lake, do 11 23-24, 11 " " Jaray ", de 1 27, " Everywhere, from Lavag to " ", de Het r. 5, " 11 /5, 11

Sheet IV.) Hound at the extreme northwest point of Luzan, Horos Morte Perovince, Hobrary 19, 1907. Abundant at Magharlean, Hoerz North, Luzon, Febr. 15 tolitar. 9,1907; always to be seen in considerable munibers in the central? Coverywhere from Nayparlian to Lavag March 9, 1907. Laguepan le Swin Pouter, Surasainon Propose, Luzon, Lecomber 23, 1906 Vivi Peaks to Cease John Hay, Benguet, Luzon, Dec. 24, 1906 All reduct in ofchings and dearings in the fine woods up to 5000 feet, in the region our centing Daguir, Buguet Somowing, Langon, 200, 24, 1906 to Jan. 4, 1907. Logasfri, Alban Scrovince Luzon, March 28, 190%.
There from the sogen at 2500 feet on Men ban of Mount Mayon Logashi seide, Celbay Province Lorgon, March 28, 1907. Moundant at Trecina, southern Luzon, March 30, 1907 Allen Mant in Butable places from Boquio, Benguet Progrince to Camp Wallace, La Union Province, Lugon, Common at Camp Wallace, La Union, Luzon, Union, 2007 Casiguran, last coast of Lugen, June 1, 1902. (Tibi and (Pili Hot Springs, southeastern Lugan, Jun 3.1? Base of Mount Mayon, Tabaco side, albay Province Danto Domingo de Baseo, Man 25, 19. 7

Anthus rufulus Vieillot. (Sheet V.) Huga Island, P. J., May 29 and 30, 1907. Wanjan Rivir and Lake Wanjan Mindoro, March 25, 1907. Specimen: No. 14580. Ead., Coalopan, Municoro, Dec. 8, 190 . Camp No. 9 ( Musser's plantation, 2 miles west of Isabella), north Baselan, Feb. 21, 1906. Speceneus: Nos. 13975, 13976. Musser's plantation, near Isabella, Baselan Id., Feb. 22, 1906. Abundant at Burengo, Catubig River, north Damar, Colober 1,1906; Spicinen: No. 14333, fad. Lanang, east Damar, Cetober 3, 1906. Catel, east Mindanso, October 5, 1906. Manay, east Mindanao, October 6, 1906. Jamboanga, Mindanao, January 12, 1906. Parang Jarang, southern Mindanas, March 14, 1906. Cotabato, to southern Mindanas, March 15, 1906. Ayala, western Mindanao, August 27, 1906. Marignina Valley, Rizal Frovince, Luzon, Deflember 17, 1906 Marila, Pasig, Saylay, and autipolo, Luzon, Deft. 21, 1906. Saliend Island, Hulf of Davao off southern Mendanao July 17, 1904 Davao, southern Mindanao, July 16, 1904

## Anthus maculatus Hodgs

Noted at Bagino, Benguet, Dec. 1 and 2, 1905. Common pir Min pine foresto of Benquet, December 1 to 12, 1905. When flushed from the grass the, alight in the finites of pines, and run minible, along An pine bought, wagging Meritails. dhis tree pripit was found almost to the lop of Mount Saulo Tomas, Bengust, Luzon, \$ 10.19, 1905. Meade Road, Buguet Invince, Luzon, World in Bud hier Congen, Lizon, as how as Twin Teaks, December Obundant in the prines, near hour to a Hay, count Province, Lugar, & secreter 24, 1906 Coamp John Hay , Benguet Province, Suzon, 211.24/2/au.4. 1907; abundant correputare here in the vine woods. Ilusted From the grass it flux le a pine boughe a de naces much. Take no so freely about, cettric much of its feed in the treez which it sometimes asserred to the infect tops. notes at a distance suggest More of Regulus saliafia; but it Mas, in addition, quite a variet, of chief in , including a rough cherp attend as it is is from

301. Oriolus chinensis Linnacus. Bah-lee'-oh, Bagobos of Mount apo, Mindanao. ied at l'autas in Chequest & Schlember All of the genus Oriolus are included. Moled at Manay, soulleastern Mindanov, Course 23, 1905, One male was moled on the Rio x I rande above Cottabato, October 19, 1903. Noted at Dave of southern Viliand was; Or for the " Santa Corner, on the west shore of the Gulf of Davas, or attern Mindonas, Colober 25, 1000 Major-General Teoriard Wood, U.D. army, shot a male at Glan, southern Mindanao, October 26, 1903. North side of Lake Lanas, Mindanas, Wovember 3, 1, ... On the island of Dulu, S.D., Orider serve inded as follows: Hrom Panglina Harran's & Upair have, November 14,1903; on the troil from Upan hours Ceratir Mountaini, Nov. 15: abundant around terater Mornitaria and Hassan's coila, November 15-16? It find with an undulating, very characteristic

Oriolus (agy species) chinens à C. (I male of Prioles chineques was seen on the Dungdung Toland, of Dules, O. D. ON vermber 25, 1963. at Vangapuyan Island, of 1 Mendanav about 12 miles east of gambounga, December 11, 1903; again noted on February 2, 1904 (black-capped species). I wo were shot at a Thoro village four mules up Alu Cabasaran River, southern Ulindanao, Jan. 30, 1904 Vatto Salis Hasin's residence, and along the banks of the Cabasaran Rover, January 30 and 31, 1904 On Buluan Island, off southern Hundanao, Heb. 1, 1904 Hound at Tumbigan, Sambigan Bay, southern Mindanao, February land 2, 1904. Orioles were noted in trees of the city squares, at Golo, Dulu, February 4, 1904. Common, one shot, at Dipulog N. Windanso, Feb. 14, 1904 Abundant at Lubungan, northern Mundanao, P.D., February 14, 1904 (one shot). Noted at Alegan, northern Mindanao, February #, 1904. Iwo were noted at Mucas, at the moulles of two rivers, at the the on Sundangan Bay, northern Mindanao, P. S., February 16, 1904. Woled at Santa Maria, northern Mindanao, Febr. 17, 1904. and his market at Bual, Sulu Island, P. J. Heb. 21, 1904.

Circus ofinensis. Di north. Chief III.) (Criolis (all species). in the Sulu Dea, Veturan Jolo and Zambounga, Hebruary 21, 1904 Note: - There were paid to be no Orioles on the island of Cagayan Sulu, and I saw none Here. to Davas, Mindanas, in May and June, 1904, Coop = = lain H. R. Me Coy, 3d Cavalry, a.x.C., moled them mi the alip Kinkellally as well as on the Davace side of the mountain divide. Mumerout at Collabato, Riv Drande Valle, Ulludanao, P. J., March 3-5, 1904, when they were fleand bringing in the trees buside the dock and in the Town. Moted at Kredarangan, on the Rio Strande, Ulidanas, March 6, 1904. Hotel on the wagon-road between Hulatrang and Camplicens 1 Dto 3000 fut), March 31, 1904. Mean Late Lanar, april 2,1904, Draw-two Cristes clase a tinou for and furiously. It was seen as for up the Taraca Ruer as Malauan, april 6, 1904; returning, some were som, april 1 and 10, at Samir, on Latte Lanao, and thence to Vicars; also from Comp Vicars to Malabang, april 11, 1904. Noted at Dealella, Deland of Basilan, January 19, 1904. Hoted between Pantar and Marahui, Mindanao, September 27, 1903.

(Sheet IV.) Oriolus chinensis Linnacus. Chinese Oriole. Noted for dwarm Malabang and Camp Vnears, Mindanco, March 31, 1904 and returning, Opril 11, 1904; also at Malabang, Oct. 7-9, 1903. I saw a young individual, eaged, offered for sale in a street of Manila, August 22, 1905. One seen on Calle H, Manila, September 7, 1905. Noted at Man, southern Windanas, October 26, 1903. Noted at Buluan, near Lake Buluan, Umidanao. May 21, 1904; also at the Malala Prois, and Munubauras rivers, and at Vimpitan, May 23 to 26, 1904. Descending the Buluan Prier, May 27, 1904, beturn Buluan and Pandog, some were noted. Common throughout September, 1905, at Marila. Many were seen when ascending the Subay River, Noted at Zamboanga, western Mindanao, July 15 to 22, 1904. april 22, 1904. " " Davao, southern ", July 15 to 20, 1904. Obundant on Malaniha Id. off DW. Mindanas, Ofril 21906 always abundant at Zamboanga, Mundanao, P. J. Clyala, Mindanas, V.D., april 24, 1906. Joan one attacked by Copsychus mindonensis. Common at Pantar and Lake Lanar, aug & Acht. 1903. Deranaya March 12 and 13, 1904

( Sheer to) Oriolus whinensis Tuinaous. Langs to Barak, Rio Mande Valley, Windows March 19-11, 1904 Deranaya Hort, March 12-14. Damboanga, March 15, 194 Wolet on Mr. Subaif River and Lake Mainit, north= - eastern Midanas-, Opril 22-24, 1464; moled as "rather searce" between Jabanga, on Salla Mainit and Cantiego. 103 aganga to Christian (lders hemp plantation, Trules west of Baganga, castern Mindanas, Office the Mumerous from Pilar to Paliva, on the upper (e) gusan Priver, Mindanao, May 6,1904 Abundant, Paliva to Valrocino, (Pgwan Ruis, Uludana, May 7,190: noted bilow Tatroeno ... at Varicella, May 17, 1904 (Plundant in the agreen Calley from Later Vinace to Dalorgon, May 9,1904; 6 veen in on florit la Carry on lo Buluan, agus an Valley, Ulindanas, May 10 and 11, 1904. Starting from Scalaxogon at 4:45 a.m., coneals and orioles were the first birds heard as we glided down the give him. Mouth of agusan River, Mindanas, Vilay 1119 Langaran, northern Mindanao, May 13, 1904. Baliangar, on Mureialagos Bay, M. Meridanas, May 13, 1904 Camp Dregg, Jangasanan, Luzon, July 29and 30, 1905. Dan Paidro, Nueva Ccija Invince, Luzon, Nov. 27,1905

Crivlus chinenois Tinnaeus. Camp Motsenburg, , Luzon, Nov. 28, 1905. Dagupan, Pangasinar Province, Nov. 30,1905. Common everywhere from Tozorrubio to Dagupan, Tuzan December 14, 19: Laguran to Bayan bang, Jangasinan Province, Jugon, Dic. 15. Dammi Island, Dulu Xea, January 4, 1906 Common on three amale wooded islands off the oouth and of Dibutu Island, Hangiary 5 Chundant, from Courreman to Jacon, Hoers Horte Province, Luzon, January 14, 1900 Lacay, Floor Worle, Luzon, January 16, 1907. Albundant and singing sweetly wear the mouth of the Lavag Rivin in Olocos Morte Province, Luzon, January 10. Luounto Dingras, ato-Common from Singras to Jadoan, do " in Mu Lang Valley below Lang, do 118-Orioles reside in abundance in the wort populous lowns of Flows Norte, Living chiefly in Encalyptos and tomarmil trees. noted of Lavay, January 20,1907. Abundant in Mr Lavag Valley Velou Lavag, Hocas Norte Province, Luzon, Famery 20-32, 1907

La vag to Passy Lake, and broide lake, Alocos Morte, Luzon, Jan. 27,7907 Sand Ridges, north of Lavay, Flores Worle, Lorgon, February 7, 1907: one such song like that of our western meadowlers. abundant, La vagto Naghartian, Nocos Norte, Luzon, Hor. 15, 1907 Utters a seream exactle, like that of Tanggrathus lucionensis Ceverywhere, from Naghartian to Lavag blocos horte, Merch 9, 1907. from Legaspi up to 2500 feet on the base of Mount Mayon, Coloay Province, Leizon, March 28, 1907. Noted at Tabaco, Olbay Province Luzon, March 29, 1907. Abundant at Lucina, southour Luzon, Morch 30, 1907. Descending by the Nagillein Sail, March 19 and 20,1907, it was noted from Sublance to the evast of Jan Fernando, Lugon, thatily 19 and 20.19 !! Casiguran, last coast of Lugan, june, 195; Tibi and Pilithot Afring 2, southeastern Luzon, June 3, 200 Base of Mount Mayon, Tabaco side, albay Province, Torzon, June 4 and 5, 190; Very abundant on Huga Island, I. J., May 29 and 30, 1904. Sweet singer. One not is like the ery of Janganation. Observation Hangan to Lake Marijan, lastern Mindoro, Marcin 25, 1907. Calapan, Mendoro Oct. 31,1900.

(Sheet VIII.) Oriolus chineusis Linnaeus. Benibi Kur, Mindo or, Nov. 3-5, 1906. Specimens: No. 14550. 3 juv., Dubaan, Mindoro, Dec. 5, 1906. 11 15583. Ead., Calapan, ..... 8, ... Varangani Island, off southern Mindanas, October 8, 1906. Sabella, Basilan Island, January 27, 1906. Camp No. 2 to Camp no. 3, Basilan Island, January 29, 1906. Ceamp No. 3 to Camp, No.4, northwest Basilan, January 30, 1906: Camp No. 8 lo La Mitan, north Basilan, February 4, 1906. Buli Buli River to Carif No. 5, south Basilan, Feb. 17, 1906. Camp No. 5 to Camp No. 6, south Basilan, Feb. 18, 1906. Malusa, west Basilan, February 19, 1906. Camp No. 8 to Camp Uo. 9 (Mussers), north Basilan, Feb. 21, 1906. Musser's plantation, near Isabella, Bacilan, 716.22, 1906. Lower Catubig River, north Damar, October 1, 1906. Odurengo, Catubig River, north Samar, October 1, 1906. Cajoagan Island, off north Samar, Delober 2, 1906. Abundant at Lanang, last Samar, October 3,1906. Bycas Island, off northeast Mindanao, Celober 4, 1906. Lower Catel Kiver, east Mindanao, October 5,1906. 7/11. Reyes showed us a mounted specimen Killed by him at Caraga, castern Mindanao, (note of Cot. 6, 1906.) Manay, last Mindanao, October 6, 1906. Dulu Island, from Jolo to Bud Dajo, October 11,1906.

(Sheet IX.) Criolus chinensis Tinnaeus. Diasi Island, October 12,1906. Several seen on Foran Id., off Ubian Id., October 12, 1906. Common, one shot, on Lumindao Island (off Sitanki' Island), October 13,1906. Near Bona Bona, Dan antonio Bay, east Palawan, October 17,1906. Manux Manka Island, January 6, 1906. Dimalue Island, off Jawi Jawi Voland, Jamary 8, 1906. East Bolod Island, Dulu Dea, January 10, 1906. West Bolod Island, Sulu Dea, January 10, 1906. Lamboanga, Mindanao, January 12, 1906. Dulu Island, from Jolo to Mainbun, Bud Dajo, Cerater Lake, and Diet Lake, March 1 and 2, 1906. , I near site of Dorey's camp no. 4, Jan. 30-31, 1906 west coast of Basilan Island, March 3, 1906. Parang Parang, southern Mindanao, March 14, 1906. Cotabato, southern Mindanao, March 15, 1906. Cue shot on Malanipa Island, in Celebra Dea off south Mindanao, Opril 1,1906 (Panghang, on Dumanquilas Bay, southern Mindanao, August 17, 1906. Coundant at ayala, western Windanao, afril 2, 1906. 27, 1906, when I collected a nestling in 1st plumage.

(Sheet X.) Oriolus chinensis Linnacus. Camp Connect, west coast of Damar Saland, Deptember 5,1906. Common in Course S'stand, Duter Dea, Defeluter 10,1906. Mariquina Villey, Kizal Growing , Luzen, Leplember 17,1906. (Mitifiole, Kiza C. Province, Luzon, Defilenter 21, 1966. Common at July, cast shore of thelf of Davas, southern Mindanas, June 12, 1904! Davao, southern Mindanao, June 13, 1904 (It Dava o, southern Mindanao, June 13, 1904, its song suggested the syllables so-Jough-ah Vagulaya, west shore of Dava Dulf, southern Mindanas, June 14, 1904. 1725 feet allitude on Int. aportrail, frene 16, 1904 Todaya, 4000ft, Mr. Opo, Windanao, June 17, 1904. Taliend Toland, Gelf of Dovar, of Joonthem Wendanso, July 17, 1904. Camp Overton, northern Mindanao, July 9, 1906. acloban, Leight Island, July 24, 1906. Cump Corston, northern Mindanao, May 7, 1906.

Ing-op, moros of Basilan Island. Oriolus pleerei Sharpe (Sheet I.) Abundant between Comp No. 4 and Camp No. 5, north-- west Basilan, January 31, 1906. Called Ing-of by Basilan Moros; two wire shot. Two were shot between Camp No.5 and the Cumalarang Kiver, interior of Basilan Island, February 1, 1906. Camp No. 1 to Camp No. 2, interior of Basilan Id., Feb. 14,1906. Tipu Tipu, interior of Basilan Island, February 15, 1906. Camp No. 3 to Camp No. 4, Basilan, Feb. 16, 1906; No. 13955 Laken. Theeinen no. 13994, Ead, was phot on a tree on the brach, west shore of Basilan Island, March 3, 1906. [mean set of Doray's Camp No. 4, of January 30-31, 1906]

244 (Sheet I.) 288, Corone philippina Bonaparte. Philippine 10:00. Ktah-quante (Misros of Lake Lanco). Huac (Viscayan Filipinos o'Marcry, contin. Ten Mine ..... Huac or Hoo Muae, Bagobor of Mount apo, Mindanao. Therestout at Porter, Musalini, and at I duraco, Bug of Silling Noted at Zamburga, Misdomer, P. J. October 15-1. Noted at Baganga, lastern Mindanao, P.D., O. inice 22, 1962. " " Parang, " " Parang, " " " Parang, " " " " " (Celater 19, 1963. Noted at Davao, southern Mudanas, October 24 :00? Noted at the Moro village of Maliyam, southern Me: = = c'anoo, October 25, 1900. Crows were noted on the shore of Sarangani Bay, at Makar, southern Mindanco, October ..... West side of Lall. Lonas, Mindianas, November 2, 19. At Bacolod, on the north side of Lake Lanco, Min= = danao, November 3, 1903, I saw a Grow fly from a tree-top and eatch a flying grasshopped hughin On the island of Dulu, P.D., November 12 to 26, 1903, lerows were seen as follows: From Sec.

Philippine Croppe (Sheit) 288 : Corone Julilipina Bonaperte. across the island for November 1 about Cocation. Mountain, November 15-18; abundant at Jolo, November 21-26, 1903, frequenting over camp and the Quartermaster's corval, where it was surprisingly tome. . Common on Pota Del wet, of Dedu G. J., Morriela. 25, 1905. Of daybreak, on the rice fields of Jamboanga, Mindanao, F. D., torows passed overhead in great numbers, December. 2, 1903. Noted at Pangapuyan Island of Mindanao about 12 miles east of Zamboanga, December 11,003, and February 2, 1904 At Jamboarga, December 7, 1903, "great flights at nightfound garly morning" were noted.
Noted at the Subano village of Bring Bury, nouthern Mindanao, January 30, 1904 Noted at Buluan, opposite the island of Buluan, on the : nameland of southern Unidanas, January 31, 1904. Numerous at the residence of Dallo Salis Hasin, two miles from the Cabasaran River, southern Windam = ao, January 31,1904. and Banga Island On Buluan Island, off southern Mudanao, Feb. 1,1904. Hound at Dambigan, Tambigan Bay, southern Mindanao, Hibmary I and 2, 1904 15, World at Oligan, morthern Mindanao, February 14, 1904

244 (Sheet III.) 288 Corone philippina Bonaparte. Millione Jolo, Dulu Island, Fibruary 4, 1904. Cerows are abundant in the walked city. They are as tame as Tharrows, and enter buildings and soldiers' Kitchens. They browl and fight lescedage, on the realls, and on the benefits of the harr. Draw plenty of Grows at Siassay, Island of Diassay, P. J., February 4, 1904. Jamboanga salt works, February 11, 1904. Crows were moled as abundant at Defulog, northern Ulmdanao, P. J., February 14, 1904. abundant at Lubungant, northern Mindanao, Fich. 14, 1904. Noted at Camp Overton, northern Miridanso, 4eb. 15, 19014. (Houndant at the Subano village of Sindangan on Sindangan Bay, no othern Mindanao, P. J., February 16, 1904. Grows in flock, by relays, pestered the Cookaloos on a tall tree, swooping whom them and raising a great clamor. Noted at Santa Maria, nor Meri Mindanao, 4, eb. 17, 1904. Dozens of Cerows were feeding on repuse from Colone Deolt's large military camp at the residence of Datto Uha, Sulu Island, V. D., February 21.1904. Note. - There were said to be no terows on the island of Cagayan Sulu, P. D., and we saw none

288. Corone philippina Bonaparte Philippina Brandon tin isimul of Siassi, P. J., by Capitain. J. L. Smith, 17th Vufarely, Usarmy, and singself, in the 1; cars 1903-4. poled or the lowest part of the Drio France Lettleredouse, March 2, 1904; abundant at Cottabato, March 3-5, 1904, when the, flew familiarly about the vissels, and industriously fished out food from the distage along the banks of the Kudarangar, on the Rio Brande, Unidana, March 6, 1904. Violed at Camp Vieux (3000 ft), Whindanao, aprill, 1904.
Woled from Camp Vieux (3000 ft) to Souir, on Lake Lanco (2000ft) april) Noted from Sour on Lake Land to Rogayan in the Jaraca Valley, Ofril 3, 1904. At Rogayan, Turnea Vulley, Opril 4, 1904 Corows came into came's and filled up on boiled rice and hardtack. They were so bold us will, to step out of our way. at daybreak at Malungan, on Jaraca River, Cerows began to assemble until hundreds had arrived and taken the camp in blarless array. Basayan, man Laste Lanao, Cepril 9, 1904. -"On walling shadowy forms of terows were passing over the camp Many at Camp Vicars, and on the wagon-road from Vicars to Malabary, Noted at Dabella, Island of Basilan, January 19, 1904. Several were seen on the outsteits of Manula Auring July and August, 1965. Noted at Marahui, Mindanao, September 27, 1903.

(Sheet II.) Corone philippina Bonoparte. Philippine Crow Noted at Ceaup Vrears (attitude about 2900 feet) Sept. 28 79, 1903 Noted at Malabang, Mindanas, October 7-9, 1903. Crows were noted at Parang (Sept. 30) at Buldwing, Madalum and Cararao Pass, Mindanao, Och 30to Oct 5, 1903; and some were ocen in the forest, between the places; also at Lake Buting, south of Lake Lanao, Mindanao, Oct. 5 and 6, 1903. Mindanao, is commented on in my my notes. Du-= ring there days apent on the lake (May 17 to 19) not one was seen at Vuluan, near Lake Buluan, Mindanco, May 20, 1904, Voaw a Fan-Tailed & Lycatcher chase a Gerove. Crows were quite numerous on the Buluan Rever , May 20 to 23, 1904. Sometimes the voice of the Crow sounds like that of the domestie Duck's about the Moro village of Bulevan it was quite abundant May 21 to 23, 1904. and it was also noted at Malala Prier and Simpitan May 23 to 26, 1994. Descending the Buleran River, from Buluan to Vandog, May 27, 1904, some vere observed. Many were seen along the Rio France from Lake Lignasan to the rivermouth, Men, 28 and 19, 1904 Noted at Durigas, northeastern Mindanas, april 20, 1904 When I dow two Fan-tailed Fly catchers chase one that flew away with what looked like a small brids egg infalled on

(Sheet VI.) 1 2 4 4 Corone philippina Bonaparte. Philippine Crow. noted at Placer, northeastern Mindanas, april 20, 1904 Noted at Bacuag, northeastern Mindanao, Ofril 21,1904 noted at Dinagat, Island of Dinagat, april 21, 1904 " .. Surigao, northeastern Mindanao, april 21, 1904. During the ascent of the Luting River, april 22, 1904, "many" Crows was noted; in flocks, feeding whom the shore" Noted at gamboanga, western Meridanao, August 1, 1904. Noted at Davas, southern Mindanas, July 15 to 20, 1904 Floer on all white on Malanipa Island of SW. Mindanas Olways abundant of Lambourga, Mindanco, J. J. Ogala, Mindanas J.D. Ofril 24, 1906. Oberndant, at Pantar and Lake Lango, aug. + Sept., 1903. Meranaya Marsh to Labas, Libungan Valley, cast of Colabato, March 12 and 13, 1904 noted at Baguer, Benguet, Die 1 and 2, 1905. Giangs to Barak, Rio Drande Valley, Mindanas, Murch 7-11, 1904 Seranaya Fort, March 11-13, 1904 Musuerous on the Riv X rande from the mouth of the Serunaya estero to the nurruouth, Marchite, the

(Sheet III.) Corone philippina Bonaparte. Abundant on Jake Mainit and along the Jubay River, northeastern Mindanao, april 22-24, 1904, Santiego, and Jabonga. Tubay, Baganga to Christian Ode's heup planlation, 7 miles west of Baganga, eastern Mindanao, Cepril : 1990. Plantation to the Print 27. 197. and the first one was Ocen on the supper 1 Daganga / civer, april 30, 1700 a peroud Cerow, very bold, was noted last the oren and. but the openies seemed ran in the East to abundant at the Mandayan village of Lingali, on the lower Bacoco Plives, in the interior of Mindanao, May 4 and 5. 1719 also noted at Comportell, on the Upper Cours an, May 5, 1904. Many were seen on the agus au, from Pilar to Jativa, May 6, 1904; and at Varicella, May 7, 1904 Crows were common on the large latter of the middle agusan Valley, Mindanao, May 8 a. 19. 1904 Talacogon to Butuan, agusan Valley, Mundanao, May 10 and 11, 1000; Month of Glynsan River, Mindanao, May 11, 1907. Langaran, northern Mindanao, May 13, 1904.
Pialeangar, on Murcialagos Bay, N. Mundanao, May 13, 1904.
Coloundant along the Mairela and Dagupou Railroad,
Ontevran Mariela and Camp Gregg, Luzon, July 29 and 30, 1905

(Sheet VIII.) (M Coup) Dregg in the province of Pangasinan Luzon, July 29 and 30, 1905, there were evening flights of Chundreds passing over the post; they awove me at davon, seattered everywhere in moisy companies. Dan Vsidro, Nueva Ceija Provnece, Lezon, Nov. 27,1905. teams Holsenburg, "
tamp X Iregg, Pangasinan Province, " Ceamy Stolsenburg, .. 29, Rugupan, " 30, " Along Mainla and Dagupan Railroad beleven Camp 1, 30, Stoloenburg and Camp Gregg, Luzon, Nov. 29, 1905. Lagupan la Daguio, Luzon, Nov. 30 b Dec. 1, 1 90 5 Very abundant at Baguio and the military reserve since named Comp John Hay, Dec. 1 to 12,1905. Hung =dreds gathered around the new soldiers barracks, which surprisingly gentale.
They entered freely when unobserved; but they were amazingly quick to seent danger. It alights on the houses and in the doorgards of the native Igorata. I dans none of them on the higher porton of Mount Danto Tomas. On December 6, 1905, when I was engaged in freparing a deerskin, the crows flutlered over me, and came down after pieces of meathand fat which I almost lianded them. I could not keep them out of my steel traps, from which I liberated some quite gently;

(Sheet 7x) Corone Shilppina Bonaparte. Common all along the road from laghartien to Lavag , Aloess norte, Luzon, Merch 9, 1907. a few af Gamp Wallace, Lall nion Province, Luzon, May 20-25, 192" Aperi, northern Lugor, May 29,1907 Casighran, east worst of Luzon June 1, 2 :: Olivi and File Hot Offrings, southeasternalizan, Gran ? (Saze of Mount Marjon, Tobaco side up to 4000 feet altitude, albay Province, Luzon, June 40015, Abundant on Huga Osland, P. J., May 29 and 35, 19 Many were seen along the trail followed from the town of Naujan on the east coast of Mendoro to a 1907, small fishing village on the Naujan Village, March 25, Very numerous on Naujan Lake and Kwir, Mundovo, Warch 25, 1907. I saw many flying with fresh-water shells in their bells Calapan, Mindoro, October 31, 1906. The terows comb the brack from tealpan to Subaan, Unidoro (Nov. 1,1906). When they find a dead here, in the competition for its flesh they fight, and flop, and butt, and shoulder one another. Then a bucky one flies off with the fowl's entrails dragging dangling. A belated one will jump with both feet and land in the midst of Aty flock that ourrounds the fire. Subaan to the Benibi Prier, Mindow, Now. 2, 19.

. (Sheet X.) Corone philippina Bonaparte. Common at Magharlian, Glocos Norte, Luzon, Feb. 15 16 March 9, 1907. Extremel, bold; one stole a civit's skull from my house Wah-wahng' (Igordes of Wenguet). Tille Hair let, during a residence of five years on All mountain near Punay, in northern the Beignet, Luzon, Laur but two crows. (It (leffai, one-half hour walk down hell from Haighte, Nortest two, by request, that were perchang whom an Igorat house Lugura, to Juin Plaka, Pargase un Invince, Surger, Dec. 23, 1906, Torrymene from Nurin lease to tomy John Hay, Benguet Dec: 24, 1906. Swin Starts toil agripan, langarenn, Luzon, January 4, 1907. le amf of their Hay, Demont, lesgo, L. 124, le 1/an. 4,1907. A little mont than a year ago, hundreds of erows waited around the barract & and kitchen & for ford; but, since Hen, they must have been ne unbearabily infortinent, for They are mour quite destant and respectful, doubtless having tran whot at. ride, Celbury Province Lezon, March 28, 40% Noted at Tabaco, albay Province Luzon, Meach 29, 1907. abundant at Lucina, southern Luzon, March 30, 1907. Hoted, in a wall numbers, from Bagino, Bouquet to Camp Wallace, La Union, Luzon, Man 19 and 20, 1907

(Sheet XI.) Corone philippina Bonaparte. but, at length my patience broke when one of them list me severely, for which I shuffed its okin Common at Frinidad, Benguet Province, Leizon, Dec. 3, 1905. They came about the Igorot houses and mixed freely with dogs and children. Meade Moad, Benquet O journe, Luzon, Sie..... Common everywhere from Bagino to Manda Bolle - 5.11 winh Jossman, & humaras (Island, December 24, 1905 Common from Curnina o to Francy Hocas Horle Province Luzar, Mannay 14, 1907. Abruddict near the mouth of the Lava River, Jan. 16,1907. La vag to Drignas, Mocos Norte Luzon, Januar Mel 1905. townson from I jugras to Gadsan, Llocos vorte Province, Suzon, January 17, 1907, when I shot one in the courly and of the Datto's house at the Tinguane village of (1000000. Dringras to Lacag Hoers Horte Province, Lidzon, January 18, 1907. Year, Lacag Valley below Lacag, da " " 19. ". a few corous hired in he minest of the porpulares town of Lavay, Locos norle & minee, Figore Jan 20,1407 abuildant Muraugho the Lang Valley below Lang, , 20-22,1907 " from Lavag to Vintar Lake, Llocos Viorle, Jan 23-24 1907.
" Pavag ", Lo , Jan 23-24 1907.
" " Nagfartian, do Hebr. 15, 1907.

Corone philippina Bonaparte. ( Sheet XII.) Benibi River, Mindoro, november 3-5,1906 Davas, Mindanas, January 22, 1906. Darangani Island, off southern Mindanao, January 2 3 and October 8, 1906. Mumerous on Balut Island, Larangani group, off southern Mindanao, Jan 23 and Oct. Abundant at habella Basilan, January 26 and 27, 1906. Camp No. Ho Camp No. 2, Baxilan Island, January 28, 1906 Camp Wo. 2 to Camp No. 3, Basilan Island, January 29, 1906. CH Camp No. 3, Basilandsland, January 30,1906. Camp No. 4 to Camp No. 5, northwest Basilan, January 31, 1906. Tipo Tipo to Camp Uo. 8, interior of Basilan Jd., Fieb. 3, 1906. Camp No. 8 to La Mitan, north Baselan, February 4, 1906. Malamani Island, of & Basilan Island, February 13, 1906. Isabella to Camp No. 1, interior of Basilan Id., Feb. 13, 1906. Tipu Tipu, interior of Basilan Island, February 15, 1906. Camp No. 3 to Camp No. 4, Basilan Island, Feb. 16, 1906. Buli Buli Stiver to Coamp No. 5, south Basilan, Feb. 17, 1906. Camp No. \$ 5 to Camp No. 6, south Basilan, Feb. 18, 1906? Mear Malusa (Camp No. 6 to Coamp No. 7), west Baselan, Heb. 19, Camp No. 7 to Camp No. 8, Basilan Island, #16, 20, 1906. Camp no. 8 to Camp no. 9 (Mussens), north Basilan, #16. 21, 1906. Musser's plantation, near Isabella, Bosilan Id., #16, 22, 1906.

(Sheet XIII) Corone philippina Bonaparte. Obundant from Calubig to the mouth of the Calubia River, north Damar, October 1, 1906, when the Captain James K. Thompson shot one that was motting badly. abundant and bold at Borongan, east Samar, Oct. 3, 1906, when Mr. Horace Fletoter stilled one at 100 yards distance with a 22 ealeber rifle. abundant, one shot, at Janang, last Damar, Oct. 3, 1906. Common on Bucas Island, off northeast Mindanso," October 4,1906, when 2 were shot. Tower Catel Kirr, east Mindanao, October 5,1906. Caraga, last Mindanao, October 6, 1906. Abundant, one shot, at Manay, east Mindanao, October 6, 1906, when large flock assembled at the rivermouth to drink, just before dark. Duludsland, from Jolo lo Bud Dajo, October 11, 1906. Common on Diasi Island, October 12, 1906. Deveration Loran Island (off Ubian 2d.), Colober 12, 1906. Tunimdao Island, off Ditanki Island, Oct. 13, 1906. On Corregidor Island, off Manila Bay, December 16, 1906, great numbers of crows had been altracted to the earners of workenen employed on the fortifi = = cations, and their bldness was unparalled. The Chinese looks complained greatly of their pelfering.

( Sheet XIV.) Corone philippina Bonaparte. (11 Manuk Manka Island, of Flawi Sawi, January 6,1906, I noted: "To lerows bayond folo Lother southward; " lend this oul, opplied to my experience of a few days on that trip. (At the Moro village of Sibula, on the wast coast of Dibution Island, secres of them frequented. the town and corrale, January 7, 1906, when I collected a specimen Mat was indistinguishable of som those oblamed in the highlands of Benguet Trouver, Diatu, Diasi Island, January 9, 1906. Golo, Stulie Island, January 9, 1906. Baluk Baluk Island, January 10, 1906. Lambounga, Mindanao, January 12, 1906. Halled city of Jolo, Delie Doland, March 1, 1906. Sulu Deland, from Jolo to Mainbunto Bud Dajo, Craler Lake, and Diet Lake, March land 2, 1906. , west coast of Basilan Island / pete of L'orayio Camp ho.4, Jan. 30,31, 1906], March 3, 1906. Jarang Jarang, southern Mindanas, March 14, 1906. The Quara Bulbul Chased these crows away from the Irees in which it (the Bulbul) was feeding, at Cotabato, southern Mindanas, March 15, 1906. Malabang, southern Mindanao, March 15, 1906. Margosatubig, southern Mindanao, april 2, 1906.

246 · (Sicc(I) in the in this phone of the control. Milling ine Mina. No. 13039 3 (ad.?). Zambsanga, Mindanao, G. D., Celober 14, 1903. Mo nucasurements. no others seen. Whot in a Tree. Ormage plus, onas, and hed. Very mimerous, in flocks, on Cagaijan Julie Island, October 15, 1906. Front specimens: Nos. 14427-30, 274.

Æthiopsar cristateileis ( meind. tetiere illyna. 292. Occidotheres cristatellus (Guelin). Mina Bird. Mis fretly but too noisy bird is abundant in the frees of Marila and its suburba, on the island of Lugory P. D. where I saw their daily, often in large flock, during august and Seplember, 1904. At evening they assembled in noisy flocks, mouning from tree to tree milel certain favorte trees lerre Reached, either feeding places or roosling places, and there they assembled until Their eries were almost deasening July 26 to august 15, 1904. - These birds are seen singly, in pairs, or in flocks up to 6, wherever there is vegetation in the cety of Manila. Often they resort to the ground along The ditch outside the walled city, hopping about on the black ish mud or sitting in the shade of wiria. Sept. 8, 1905 - at 10 o'clock, S. M., while waiting for a strut car at Calle arroceros, Manila, beside some trees these brids were continually awarening and screaming and squeaking loudly. They feed on the Mark lawns like lobins, and mixed with its hard cries and tevittering are some swert notes of a song, most frequently heard at evening. Trees pocked with noisy border of them at Manila, Sept. 29.

(Sheet II.) Athiopsar cristatellus (Guelin). Chinese Migna-Bird. Thush-like Dong. The males would puff themselves up and greet their crests and strut and hop Som tile to lile on the roof opposite meg window Voceas conally Greating into cong. As, of Alex tillamla, Doft. 15, 1904, many of these. birds out on the cely wall or alighted in the grass beside the most. Hor seveal years the nightly roost of the Mynas has been in trees near the present police blaleon just outside the cet, wall, where they assemble in noisy companies at dusk. Moted at Manula, July 26-99 and July 31 to Cugust 4, 1905; also seen in small some frames from Manila to Comp Dregg, Juzon, along the Manila and Dagupan Railroad, July 29 and 30, 1905. Ceauf Dragg Jungavinan Province, Luzon, Jul; 30, 1905 Manila , Luzon, July to Decuber, 1900. Camp Stolsenburg, Lazon, Nov. 28, 1905. Dagupan to Bued River, Juzon, Nov. 30, 1905. Dagupan to Bayansbang, (langasenan Growing, dugon pine, Du the hack and public Squares, Mainja, January 12/90%. Toporrubeo Jangavinan Province, Luzou, 2 cc. 23, 1906.

Throw Sued Pivillangon to near agulan, January 4,

1906; often seen on the heads and backs of ever in ex

(Sheet III.) A thropson cristatellus (Imelin). nagillian to the coast at San Fernando, Lugar March 20,1907; sits on backs of hump-backed cattle and carabaos. Manila to Taytay, Luzon, in ricefields, Deptember 21, 1906. Noted at Mainla, Luzon Island, July 15 to 18, 1906.

248 (She state) 293. Darcops calvus (Linnaeur). (Said - indil & Frackle. Boad Bahar'-dah (Moros of Zamboang-O'i Smila Cree, Gulf of Davao, southern Windowson, to 4. Frank R. Me Con saw these birds gig it is Moid at Davis, pouthern Mindance, O hour in .... On the island of Dulu, J. D., november 12-26,1903, it was noted as follows: "On the trail from "Wha's house to Corrier Mountain, Nov. 15: Wir. Selleman and Thence to Aten Isachat Tachiti, Mon so in these along the brack Anna Taglin in friend Winder . . Common about Jolo, November 21-26,19 1. Holid, at Mileas, a Dubano village on Sorangani Bay, northern Midanoo, P. J. On an overland gourney from Lake Buluan to Davao, southern Mindanao, vir Way and Jame, 1904 le aptain F. K. Me Ceoy, U.S. army, noted the occurrence of this openies in the Oly River Valley as well as on At Davas side of the mountain divide. abundant at Pantar. Heated in hollow trees and in outice bolis in the agra River bridge. Cong. of Self. 1: = Noted from Malabang to Camp Viena ( 0 to 3000) Just, Hudinar, Mainine Seen on the upper Haraca River, around XI alauan, april 6, 1904 Meso see in the woods near Huahulama's cotta, april 7, 1904.

293. Sercope colous (Linnaeus). (Sheet II.) (ichald-headed Starting Grackle. Twoted on the Taraca River between Delauan and Basayon, 1/1.3,170; (Por Phil 9, 1904, as oon as it was light mough to see, a pair flew over my bed at Basayan, near Lake Lanco. Humerous along the wagon-road from Camp Vicars to Malsburg, afrie 11, 1904. Abundant, in places, along the wagow-road from Camp Vais to Malabang, Sept. 29, 1903. Noted at Davas, southern Mindanas, July 15 to 20, 1904. Many seen at Mercedes, 9 me. E. of Jamboanga, Mindanas March 28,1906. Abundant in heavy timber about Jamboarga. Obundant at Paula and Lake Lanar, Lug. + Sept., 1903. La bas Libungan Valley, east of Cotabato, March 12, 1904. normen Mindanao, Phril 22-24, 1904 Waganga to Christian (lde : a hour p plantation, Tuiles 1142 to Baganga, castern Mindanao, (1pril 26, 1904 (Moundant from ade's plantation to the River, easlerh Mindanao, april 27, 1904 Abundant on the Ogusan River, Mudanar, from ( Silar to Jativa, May 6, 1904. It similares aftered That this ery proved to be that of that of the lesser yellowlego. Intiva to Putrocino, agusan Kura, Mindanao, May 7, 1904. Ut lines it is, lette the Starting of Enerope, ce swirt singer.

(Sheet III.) 293. Sarcops calvus (Linnaeus). Bald-headed Frankle. Noted from Pantar to Marahui, Mindanao, Septembre 27, 1903. Lake Mainit, northern Mindanao, april 24, 1704; noted as numerous between Jobanya, on Lake Mainit, and Santiego, on the Subay River, when Captain Me Con shot one - a laying Somale. River, in the interior of Meridanao, May 5, 1904. Bued River Valley, Luzon, Nov. 30 and Dec. 1, 1905. Camp Joseman, & Turmarase Island, December 24, 1905. Currimao, Hocoshorte Province, Luzon, Warch 12. 1907. abundant from Naujan to Lake Naujan, lastern Mindoro, March 25, 1907. Very abundant on Marijan Lake and Marijan River, Mindoro, March 25, 1907. Subaan to the Benibi River, Mindoro, Nov. 2, 1906. Odenibi River, Mindoro, Nov. 3-5,1906. One on the alag River, Undoro, Nov. 7, 1906. Dearce at Camp no. 3, vidge 22 50 feet, Mendoro, november 8-12,1906. Specimens collected, in Mundoro, at: -14527. Fad. Ceamp 710.11, altitude alag River, Dec. 4, 1906. feet, at 1st crossing of the 14547. Sad. Dubaan, Mindoro, Deember 5, 1906.

Too-Kaa-ling', Moros of Basilan Island, (Sheet IV.)
(Sarcops calvus calvus (Linnaeus). Dareops calvus melanonolus Drant. Melanonotus was abundant at Isabella, Basilan Island, January 26 and 27, 1906, Jestine largely whom hapayas. S.c. melanonoties was abundant from Isabella, Basilan Island, west to Camp no. 2, January 28,10 From toamp No. 2 to Camp No. 3, Basilan Island, Hannary 29, 1906; flies with a lord wille At Camp No. 3, Basilan Island, January 30, 1906; utters a squeaky whistle, and produces a rushing sound as it Alies. Camp No. 3 to Camp No 4, northwest Basilan, former 30,1906. Camp (No. 4 to Camp No. 5; morthwest Basilan, January 31, 1906 Ecamp No. 6 to Count No.7 (near Tipo Tipo), in the interior of Basilan Island, February 2, 1906. Tipo Tipo to Camp No. 8, interior of & Basilan Island, Fich. 3, 1906. Camp No. 8 to La Mitan, north Basilan, February 4, 1900. Camp No. 1 to Camp No. 2, interior of Waselan dd., Feb. 14,1700 Tipu Tipu, interior of Basilan Island, February 15, 1906. Camp No. 3 to Camp No. 4, Baselandsland, February 16, 1906. Camp No. 5 to Camp No. 6, south Basilan, February 18, 1906. Near Malusa, west Basilan, Fibruary 19, 1906. Coamp No. 7 to Camp No. 8, Basilan Island, February 20, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Baselan, Heb. 21, 190 Musser's plantation, near pabella, Basilan Id., Feb. 22, 1906

Tel-eling, Filipuios of Samar. (Sheet V.)

Sarcops parcops calvus (Linnaeus) and

Darcops calvus melanonolus Frant. Lower Catubig River, north Damar, October 1, 1906. Odurengo, Catubia River, north Damar, October 1, 1906. Abundant, one shot, at Lanang, last Damar, Oct. 3,1906. Loueas Island, off northeast Mindanao, Oct. 4,1906. Melanonotus Cateel and Lower Cateel River, east Mindauat, October 5, 1906. abundant, one shot. Sulu Island, from Yolo to Bud Dajo, October 11, 1906. Quite numerous on Toran Id., of Ubian Id., Oct. 12,1906. Common on Turnindao Island (off Dilanki Island), Cotober 13, 1906. Manuk Manka Island, January 6, 1906 ( see specimen). Very numerous at Sibutu Toland town, on the west coast of Dibutu Island, January 7, 1906, when three specimens were collected. Pang pang, on Dumanquilas Bay, southern Mindanas, August 17,1906. Alyala, western Miridanao, August 27,1906. Mactan Island (off Cebu), Deptember 3, 1906. We Drigor notes a female from Toledo, Cebu Island, which "has the back nather dark and should perhaps for referred to D. melanonotus. I did not shoot any of them.) antipolo, Rizal Province, Luzon, Deptember 21,1906.

(Sheet I.) · Zan - wx 294 Caloria Tranciansis (Scopoli). Say-0 (Viscogan Filipinos of Baganga, eastern Winders). Noted at Baganga, earlern Vilindanao, P.D. Chining This Starling was abundant along the Rio Grande from the river month to Lake Liginas an. at dusk flooks were seen passing and rooting in evanse grass along the banks, applearing much like over Ked-winged Id in which .. Mored at Daves, anthern Vilewianes, O. 200 20 200 Flores were seen on the shore of Darangani Bay, at Makar, southern Mindance, Com 26, 9 West side of Lake Long of Mondon, Herand Hlock's were seen in the vicinity of Ceraier Mouriain on the island of Lulu, November 15 to 18 1913. Hiocks were seen in trees along the beach from Taylebi is folo. The war the 21,15 in Enormous floores frequented the cornals at folo, and overmed in the tries within Ah walled city, and along the sieves. Thocks were seen at the Moro village on Dungdung Island, off Dular, C.J., November 25, 1900. Hlocking in host of Zamboanga, Mindanco, Dec. 2, 1903.

294. Calornis franciscos (Scopoli). Aloeks were noted on Pangapuyan Island off Mindanao, About 12 miles cast of Jambounga, Dec. 11, 1903; spremen taken December 19,1903; again moted February 2,1904. Herough the town and post every evening, resting on the Calmond-trees. Habits much like Those of our Red-wing Blackbrid. The flights/especially of the striped young, riesem blextocks of the leedar Waxwing. Very tame. Hlocus Preside the Cabasaran River and residence of Datto Dalis Hasin, 2 miles from the river, southern Mindanao, January 31, 1904 Banga (Pont Banga) islands Peb. 1, 1904. abundant in the trees of the city squares at Tolo, Dulu Island, C. J., February 4, 1904. abundant, in Slocks, at Depuloy, Mindows, Feb. 14, 1904. Noted at Iligan, northern Mindanao, Hebruary 15, 1904. Abundant in flocks at Vindangan, on Sindangan Bay, northern Mindanao, P. D., February 16, 1904 (Queshot) abundant at Mucas, a Dubano village at the mouths of two rivers, on Sandangan Bay, northern Mindando P. D., Hebruary 16, 1904 Noted on the Island of Dulu, P. D., between Dalto Upa's residence and his magnet at Bual, Hebruary 21, 1904.

244 Lan-se-own' (Hilipinios of Eagayan Sula) Sheet III.) 294, Calorina panagenses (Scopoli) o' Jound, large flocks of these pretty brids on the Waland of Cagayan Sulu, in the Sulu Dea, February 25 and 26, 1904. One speamen (No. 13365 gad.) Juresewed. Iwo others what were not skinned for lack of time. They sione feeding on breez breaking large red flowers. Noted at Isabel Ca, Island of Basilan, January 19, 1904. Noted at Surigao, northeastern Mindanao, Opril 20/1904. "Davas, Southern Mindanas, July 15 to 20, 1904. " Zamboarga, wistern " " Deliguest 1,1904. De flock of four, in the Botameal Gardens, Manila, November 7, 1905, were the first I have noted in Manila. In the town of Jolo, Delu Id., P. J., March 26, 1906, flocks were ocen in the fire Trees. Many flooks at Mercedes, 9m. E. of Bamboanga, March 28, 1906. Enomous flocks roosted nightly in almond and cocoanut trees where they make almost us much noise as Minah-Birds. Jan. to april 10,1906. Olyala Mindanao J.D., april 24, 1906. Oflocks of birds duplosed to have been this species were receisionally seen Alying over Pantar, Mindanao, ang.

and Detitudia, 1903. Brotably hussing to Lanac +the coat

Military and River to Seranaya Marsh, March 13,1904

Michigan River to Seranaya Marsh, March 13,1904

Michigande from the month of the Deranaya estero to

the rivermouth, March 14,1900

(Sheet IV) Lamprocorax francisco.
Bamboangu, Marich 5, 1904.
Delemdant on Lasse Mainit and the Subay Kiron, northern Mindanao, april 22-24, 1904 Baganga to Christian Clders herup plantation, Trilles west of Baganga, castern Mindanao, (1/21/26,1994 It locals at Jaliva, a gusan River, Mindanao, May 6 and 7,1904 Salacogon lo Bulian, agus an Valler, Mindanao, May Dan'y, in Thorns at mouth of ( igus and ( wir, / Mindanao, Tilon 11, 140, Camp Dragg, Tangasinan Province, Luzon, July 30,1905. Dagupan, Jangasinan Grovnice, Luzon, Nov. 30,1905. Hocks in the hoes at Japan Mocos Morte, Luzon January 15, 17) La vay to mouth of Lavay River, I locos no, le, Jugor, Dingras to Lacag Horas north Province, Luzon, January 18,190%. at Lavag, Juneary 20, 1907, I noted This us one of the characteristic brids of the lown, where floors sport some of their inice in tall lamarried trees. It was apundant in the Larray Valley below Lawre, Jan, 20-22, 1907. Lavag to Vintar Lake, Horas horte, Luzon, 1 Jan. 23 ami 24, 1904 In Lavag and at Pavay Lake, do I fish . 5 ... In Lavag, de de la financia. Hoeks noted at Davila, Pasuguin, and Bueara. Hoes norte Provier, Luzon, March 9, 1907.

Mahn-dash-e'ung Tuoros of Basilon. (Shect Y.) Xandrurrax Imagensis (Jeopoli). Kragufun, La gasenne Province, Jugan, & receiber 23, 1905. From Magillian to the coast at San Firmando, Luyon, Harch &c, 1964 Tibi, southeasternauzon, June 3 1911 Clabaco, albay Province, dayon, Jun -if Common from Naujan to the Naujan River, eastern Mindoro, March 25, 1915; also ondake Maujan and the Naujan Kever, March 25, 19:7. Subaan, Mindoro, Nov. land 2, 1906. Specimens: (No. 14546. Bad., Dubaan, Mindora, DSC. 5. 9 5. " 14549. Fad. do Very abundant around Izabella, Basilan Island, Jeeding with the bold-headed starlings whom papara former. Abundant, January 28, 1906, West from Isabella to camp no. 2, Basilan Island. Camp No. 2 to Camp No. 3, Basilan Island, January 29,19 At Campo No. 3, Baciland sland, Manuary 30, 1906. Camp No. 3 to Camp No. 4, nor thwest Browlan, January 30, 1906. Camp No. 8 to La Milan, north Basilan, February 4, 1906. Malusa, west Basilan, February 19, 1906. Camp No. 8 to Camp Uo. 9 (Musser's), north Basilan, Theb. 21, 1906. Musser's plantation to Isabella, Basilan Id., Feb. 22, 1906. Lower Catulig Kiver, north Damar, October 1, 1906.

(Sheet VI.) Lamprocovax panayensis (Deopoli). Abundant on Cajoagan Island, off north Damar, Celober 2, 1906, when no. 14340, Sim, was collected. Large flocks were noted on the ohore of Bucas Island, of northeast Mindanao, October 4, 1906. Abundant, 3 shot, lower Catel River, Mindanao, Oct. 5, 1906 Duler Island, from Jolo to Bud & ofo, October 11,1906. Quite numerous on Loran Island (of Moian Island), Octobre 12,1906, when no. 14410, 8 jiw., was collected. Manux Manka Island, January 6, 1906. Yolo, Dulu Island, January 9, 1906. Walled city of Jolo, Dulu Island, March 1, 1906. Maimbun, and Diet Lake Beach, Sulve Island, Warch 1 and 2, 1906 , Louar site of Dorey's Camp No.4, Jan. 30 -31,1906 west coast of Basilan Island, Ja March 3,1906. Varang Varang, southern Mindanao, March 14, 1906. Tounch and tied to wharf at Colabato, southern Mindanao during night of March 14-15, 1906, when there birds chatlered at night in neighboring trees Cota Bato) to the mouth of the Tho Grande of southern Mindanas, March 15, 1906. Vangpang, on Sumanguilas Bay, southern Mindanad, August 17, 1906. Cabo Island, Jgat Bay, off south Mindana, april 2, 1906.

(Sheet VII.) Lamprocon v panayonsis (Deopoli). Hyala, western Mindanao, august 27, 1906. (Mondant on Course Foland, Quela Dea, Deptember 10,1906. During, midday the flocks are reparaled into omall companies and seek the shade of nance and lines, and are quite musical. They must be freezelly with other burds; as I found several ringdoves, fair tailed flyeateless, orangetorrasted surbinds and Chinese orioles all anie ably resting in a large nanoe tree surrounded by eogonal. In the tall trees, many of them dead, along the white sand brack on the shore of the Sulf of Davao at Duling, June 12, 1904, many were seen, feeding largely along the brach, like Tuescalus. Five were Killed at one shot. Tagulaya, west shore of Davao July, southern Mindanao, June 14, 1904. Taliend Island, Vilf of Davao, offouthern Mindanao, July 17, 1904. Davao, southern Mindanao, July 18 to 20, 1984 Moundant of Cebu, Cebu Feland, July 10,1906. Tacloban Leyte Island, July 24, 1906.

250 % X 6116 1168116 X Kohl-lee'-pō, Bagobos of Todaya, on Mount Opo, mindanao.

2 51 (-Stee 77) 321. Mirafra frhilifefrinensis Wardlow Rawia. Laa'- on-hahr'-ong (Moras of Barbourge). Noted at Baguio, Benguet, Dec. 1 and 2, 1905. Whatamied at Malabang, (Parana, and Camp Vicore, Min-= danao, and seen at leotlabato, Mindan. Moled all Parang, southern Mundanas, Celober 18, 1903, when several were shot. In appearance and habits these gentle birds reminded me of Vesper Sparrows on our whestern planes; but their home is in open Ajots and roadways in the cogon grass which is too rank to suit them except where elearnys Mair logger made. Prestet lines and larget ranges about quiritary perts in Uludanao are quite to Meri le Krig Noted at Bula, on Sarangani Bay, southern Mundawas. Oct. 261435 L'onemon at Cottabato, Rio Grande Valley, southern Ulindanco, P.J. March 3 to 5, 1904. Moted of Comp Vicions, Mindanes (altitude 3000 feel Mario . Theo specimens taken There, april 1,1904 (Mrs. 13425-7); noted from Camp Vicars to Sour, on L. Lanao, april 2, 1904. numerous on the larget range, at Malabang, Camp Linga, Pangasinan Province, Luzon, July 29 and 30,1905.

(Sheet II) Mirafra philippinensia Wardlaw Ramsay. teams Hotsenburg, Luzon, Nov. 28, 1905. (1) Leur were deen me the neighborhood of Baguio, 1 Lenguet Province, Luzon, DICI-12, 1903. Home were seen in grassy ridges at about 5300 feet, on the base of Mount Danto Tomes, Benquet Province Lujon, December 9 and 10, 1903. Meade Road, Adongues Oronies, du zon, D. Curamao lo cricog, Llocos Horle, Luzon, January 14, 190%. (Moundant; two shot, in early worder bordering the Lang Plwir, among reallered werds and grass, January 19, 1907, Abundant in ofen wasles bordering the Lavag River belan the town of Lavay, January 20-22, 1907. Abundant in old rice paddies between Lavag and Vintar Lake, Flores north Frommer Luzon, January 23 and 24, 1907. Lavay to shore of Savay Lake, do , Coundant " 27/2"; everywhere in suitable ground. Obundant from La ong to Maghartian, Hocos Norte Luzon, Heb. 15. 190;; lent ouly in waste place & and rice suitible. Nughartien to Lacay, Flocos Worte, Luzon, Warch 9, 1907. On Al vicinity of Bagnie, Benguet fromme, du jou, Lee 24,1906 to Dan. 4,1907, it was seen in grassi, afenings at 4000, 5000, and 5300 feet abliliede; niest numerous mi grass lands around the base of Janto Louis France

(Sheet III.) Mirafra philippinensis Wandlaw Ramsay. Everywhere in grossy openings on the base of Weount Mayon, Celbay Province, Suzon, March 28, 1907, Several on the Muyan Kiver, Mindoro, Treaser 25, 1907. Farang Parang, southern Mindanas -, March 14, 1906. Mariquina Valley, Rizal Province, Luzon, March 17, 1906. Taylay and Antipolo, Rizal Province Luzon, Deplembre 21, 1906.

2 2 308. Mlunia orggivora Linnaeus. Dray Java Sparrow Morez-hije Abundant from Davila to Lavag, Nocos horte Province, Luzon, March 9, 1907; fond of bathing and of dusting in roads. Wommon from Inigra & to Lu ray, Hoers Horte Province Luzon Jan. 18, Alexanderst, and I regeling, at Pander, but it is This opicies was abundant in om locality mean Rambourga, Mindanao, especially frequenting the inner edge of a mangrove swamp, on the border of a large march. I after ocer Them on the ground in a road which crosses this march. Joung recently from the nest were seen. August 22, 1905. \_ Elaborate cages of bamboo, each containing six , beautiful specimens of this weaver-bird, were offered for sale on the streets, at \$ 300 gold, eage & bista During September, 1905, large cages filled with these birds and Excalfactoriae were for pale on the streets of Manila. duite numerous at Lambounga. Resident. Prange to Barak, No Drande Valley, Ullindanao. Common, La ragto l'intar Lake, Hoces Norte, Luzon, Jan. 23 Abundant telleran Tavagand Nagfarlian, do 11 27,1907

4.6.15,1907.

(Sheet 11.) Munia oryzivora Linnaeus. Burengo, Catubig River, north Damar, October 1, 1906. At Zamboanga, Mindanao, January 11, 1906, a boy had one that was just from the nest. Master Leonard Wood, Jr. gave me specimen 20.13997, fad., which he shot at Lamboanga, Mindanao, March 3,1906.

My-uh-del-ooh-mah-tel, Bagabos of mount apo, Mindanao. Micriens. Brown Genn Shorrour. Seen at Zamboanga, Mindurat, P. J., Brisis: 10-16, .... " " Carang, " " 18. Flocks of these prelly Sparrows frequented the bouke of the Riot trande from Castiobois to Low Lequesen, Con 1919 abundant at Makar and Bula, on Sarangani Bay, southern Mindanao, October 26, 1903. North side of Lake Lanao (vicinity of Bacolos), Min= -danao, November 3, 1903. Hocks were seen in the Eogon grass around Siet Lake, on the island of Dulu, P. J., Housette /2 and is tonis; on the trail from Wha's place to Coraier Mountain greet flocks ware police, November 15,1900; on Mt. Euleeman and thence to the brack at Taguiti, November 20,1903. Jolo, November 21-26, 1903. ambourga, Mindanao, P. J., December 2, 1903. On Dec. 7, I noted: Nest globular, with sutraver at the side Eggs white. In November, two fresh eggs were taken from a west on Lake Lanao, Uludanao, P. J. Heeds in vast Slocks on grass seeds, and on rice. Sexes and ages, at a short distance, all appearable. They sing like Bobolinks in

Christmet Mearer-bind or Rice-bind. (Sheet II.) 309. Munia jagori Martens. flight over the grasstops in search of fresh pastures Eigg 16×11.5 mm (destroyed). Residence of Datto Salis Hasm, two miles from the Cabasaran Kwir, and six miles wiland, southern Mundanao, January 31, 1904. Hebruary 14, 1904.) Hocks seen at Dipulog, northern Mindanao, P. J., " " " Lubungan, " " " " Noted at Fligan, northern Mindanao, P. I., February 15, 1904. Floreste seen bitween Datto Upa's mostle mee and his markethlace, at Bual, Dulu Island, P. J., February 21, 1904. On the island of Duly in the Dulu Dea, February 25 and 26, 1904, this bird was very abundant. Down dry: = mense Hogh Aloeks were seen fin an old Erater basin, where nine (9) were Killed at once in a fratch of wirds in which they were feeding. Of these sour were Post breause Iwas unable to make them noto skins intime Twice on February 25, 1904, reported theur to be found everywhere in suitable felases. Speamentos. 13366, 13975, 13388 In June, 1904, Capitain 4, R. The Coy noted this species between I was and the prom headwaters of alip River, in southern Mindanao. Moted at the Pallox Uaval Station, southern Ulindanie, March 2, 1904.

Chestnut Weaver-bird or Rice-bird. (Shet TIL.)
309. Mirica jagovi Marlens.
Voled at Cottabato, Rio Grand Valley, Minidanao, March 3,1904. " " Kudarangan, " " " (, " Clong the military road from Malabory to Camp Vicais (ot 3000 Geofic Whitely, March 31, 1904, at Vicars, april 1, 1904. aboundant in the grassy country from Campi Vicars to Louis, on tal: Lanao, Mindanao, Ofril 2, 1904. From Lake Lando at Sour to Rogayan, Varaca Valley, april 3, 1904 Fir Stocks of Rogayan, Taraca Valley, cefril 4, 1904 abundant on the lowest part of the Taraca River, Lake Lanco Basin, 2/15, 1904. abundant as for up the Taraca River as Galanan, april 6 at Huahulama's cotta, Taraca Valley, april 7, 1904. a mest was seen, but not examined, between Falauan and Bassyon, in the Taraca Valley, and great swarms of them at Bagayan, mar Laste Lanco, april 8 and 9, 1904, again at Janier, Cepril 10, 1904 Many around Camp Vnears, april 11, 1904. Noted at Isabella, Island of Basilan, January 19, 1904. Moted at Mouatini, Mindanav, September 27, 1903. aleundant at Carup Vrears (altitude about 2900 feel), Deplimber 28 and 29, 1903; also along the road from Camp Vicars to Malabang, Deptember 29, 1903. In immense flocks at Malabang, Windanao, Oct. 7-9, 1903. Quall flocks seen on outskirts of Marila, during September 1705 Mindanao, May 18, 1904. May 19: Brown Weaver-birds live all over)

(Sheet M.) Munia jagori Martens. Chestnut Weaver-bird or Rice-bird. Enormous flooks ground Pantar & Zanar, Aug. + Dept., 1993 19, 1904. Camp Marahui, Mindanao (2500 feet), Setilimber 27, 1903. Small flocks seen in and around manila after September 1st, 1905 / Ryala, Mindanas Ofil 24, 1906. Noted on the Buluan River, connecting lake Buluan and Liguaran, Mindanao, May 20, 1904; also at Lake Bulwan, May 22, 1904. Abundant all along the trail from Buluan to Simpitan and at the latter place, May 23 to 26, 1904.
Many flocks seen in descent of Buluan River, from Buluan to Pandog and there to Lake Dignasan, Man, 27/904, also of Surgao, Opril 21. Moted at Surigao mortheastern Mindanao, Opril 20, 1904; Noted at Bacuag, northeastern Mindanao, april 21, 1904. Moted at Dinagat, on the Island of Dinagat, May 21, 1904 Many flocks were over during the ascert of the Jubay Kivin, northern Mudanao, Cepril 22, 1904. Noted at Zamboanga, wislern Mindanao, august 1, 1904. " "Davao, southern, ", July 15 to 20, 1904. .. " Jolo, Dulu, P. J., March 126, 1906. " Dan Kamon Harm, Janebourga Dist., Ulind., March 23,1906 Malaripa Id., of SW. Mindanao, afril 1,1906. Margosa Tubig, O. Mindanao, Chril 2,1906.

(Sheet V) Munia jagori Martens. To Meranaya March to Labor 2, east of Colohato, March 12 and 13, 1904 Prings to Banak, Rio & Frande Valley, Ulindanco, Murch Fil, 2. Lireat floors drifted ove the Devanaya Marsh, between Barak and Dath Blig and In large flocks along the Rio Brande from the mouth of the Doranaya golero to Coolabato, March 14, 18. Lake Wainit, northern Mindanaer, Chril 24, 1904 Abundant on the Subay River, " , april 22-24, 1904. OBaganga la Christian (lde's hemp plantation, 7 miles west of Baganga, eastern Mindanas, Phril 26, 1904 Obundant at adder plantation, Christ a til Three were seen mear the source of the to alect Priver, in the East Coast Range of & Mendanas, May 9190 et the Opicies became abundant along the Course course of the Bacoco River, a tributary of the Ceguzar, (B)na; 4, 1901. Flock noted at Inigali, on the lower Bacoca River, a bributary of the agusan, central Mindanao, May 4, 1901. agusan River at Compostela, Mindanao, May 5, 1934. Agus an River from Pilar to Pativa, Mindanao, May 6, 1954 Varicella, on the Agusan River, Mindanao, May Yand 8, 1904

(Sheet VI.) Munia jagori Martens. Varicella to Lake Linao, agusan Valley Mindauso, May 8+9:90 Lake Linuo o Jalacogon, (Igus and alley, Ulindanas, Hor, G. 1956. Olalucogon to Brituan, agyson Valley, Windanso, May 10 and 11, 1904. Mouth of algusan River, Mindanao, May 11, 1955 Junianez, northern Mindanao, May 12, 1904 Langaran, northern Mindanao, May 13,1904. Very large Glocks at Boliangao, on Murcialagos Bay, northern Mindanao, May 13, 1904. Camp Tregg, Jangasanan, Luzon, July 99 and 30, 1905. Dan Deidro, Nueva Erija Frovince, Luzon, Nov. 27, 1905. teamp Stolsenburg, 1, 28, ". teamp Dregg, Panyasanan I vovince, " " 29, " Dagupoin, 11 30, 11 Clong Manila and Dagupan Railroad from Cearup Stot-- penburg to team Gragg, November 29, 1905. Dagupan to Baguo, Luzon, Nov. 30 to Dec. 1, 1905 Several amall flocks were seen near Baguio, Benguet Province, Luzon, Dec. 1 to 12, 1905. Frinidad, Benguet Province, Luzon, December 3, 1965. Theade Road Benguet Province Luzon, 3,10,13, 700 I Jued Kwin Ceanyon, from Ceolgan's Through, on the Berguet Wagon Road, December 13 and 14,11 Bued River to Marila Luzon Die 14 and 15, 196. Dagupan to Bayanebang, Pangasinan Province, Luzon, Die 15, 19

Carrinao lo Lacag Hodos Novle, Leizon, January 14,1957. Lacaglo Drugraz, eso "15." (Sheef-VII.) ao Dingras to Jadgan, u 10, J" "Lavagin (2/19-Lavag to Vintar Talle, do. 11 23-24, 1. Lavag River and Gavay Lake, do " 27, ". Hobr. 5, ". 11 15, 10. (Ubundant from Large to Magharlian, as March 9, 1907. "Davila to Lavag, clo Theres, composed mainly of young birds of rem. I agrepan to Jivis Pears, Panguina & Progres, Juger, & comber 23, 1715 Legaspi, (elbay I voince, Lingon, March 28, 1907. Abundant on the base of Mount Mayon, Legaspi side, Alba Province, Legon, Zuarch 28, 1907. Tioled Figue Baquio to the coast at San Fernando, Luzon, Musty 19 and 20, 19 mg a fewat toamp Wallace, Lallmon Grog wee Luzon, May 20- 25, 1957. Apari, northern Lugar, May 29, 1907. Casignan, last coast of Luzan, Juni 1, 1907. Baler, last coast of Luzan Juni 2, 1907. Tibi to Pilitot Springs, son theastern Suzon, June 3, 1907. Base of Mount Mayon, Tabaco side, albay Province, Luzon, Jane 4, 1907.

Munia Jagori Martens.
Hlocks on Hugh Daland, P. J., May 19 and 20, 1967. Hloers from Naujan to Take Naujan, eastern Mindoro, March 25, 1907. Hlocks on the Naujan River and Lake Waujan Mindoro, March 25, 1907. Mouth of the Baco River, and Dubaan, Windows, Nov-1, 1906 Lower Dubaan River, Mindoro, Nov. 2, 1906. Sabella, Basilan Island, January 27, 1906. Camp ho. 1 to Camp No. 2, Basilan Island, January 28, 1906 Warif (No. 2 to Camp No. 3, Basilan Asland, January 29, 1906 Tipo Tipo, interior of Basilan Island, February 3, 1906. Camp No. 8 to La Mitan, north Basilan, February 4, 1906. Tipu Tipu, interior of Basilan Toland, February 15, 1906. Camp No. 3 to Camp No. 4, Basilan Island, February 16, 1906 Buli Buli River to Comp No. 5, south Basilon, Feb. 17, 1906. Camp No. 5 to Camp No. 6, Douth Basilan, Feb. 18, 1906. Malusa, west Basilan, February 19, 1906. Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Feb. 21,1906. Musser's plantation, near Isabella, Basilan Id., Heb. 22,1906. Burengo, Calubig River, north Samar, October 1, 1906. abundant on Ducas Island, off northeast Mindanao Cet. 4,1906. Lower Cotel River, east Mindanao, Colober 5, 1906. Manay, east Mindanao, October 6, 1906. Dulu Sland, from Jolo lo Bud D'ajo October 11, 1906.

(Sheet IX.) Munia jagori Martens. Diasi Island, October 12, 1906. Siatu, Siasi Island, January 9, 1906. Jolo, Sulu Island, Hannary 9, 1906. Vulu Island, from Jalo to Mainbun, Bud Dajo, Crater Lake, and Siet Lake, March 1 and 2, 1906. Tarang Parang, southern Mindavao, March 14, 1906. Cotabato, routhern Mindanao, March 15, 1906. Malabang, southern Mindanao, March, 15, 1906. Panghang, on Dumanquilas Bay, southern Mindanas, (Cugust 17,1906. My-iah, Filipinos of Zamboanga, Lide Estrellas. Olyala, western Mindanao, august 27, 1906. One large flock on Mactan Island, off Cebu, September 3, 1906. Camp Connell, west coast of Samar Island, The tember 5,1906. Marigunia Valley, Rizal Province, Luzon, Deplember 17, 1906. Manila to antipolo, Luzon, Deptember 21, 1906. Sulug, east shore of Davao Gulf, southern, Mindanao, June 12, 1904 Valiend Island, Gelf of Davao, off southern Muidanao, July 17, 1904. Davao, southern Mindanao, July 18 to 20, 1904 Camp Overton, northern Mindanao, July 9, 1906. Cebu, Cebu Island, July 10, 1906. Dulag, east coast of Leyte, July 25, 1906. Camp Overton, northern Mindanao, May 7, 1906.

( Short I.) Munia cabanisi Sharpi. Moled at Bugino, Bonquet, Dec. land 2,1905. Twine Peaks to Baguio, Luzon, Dec. 1, 1905. I few flocks were seen on the military reserve now known as Comp John Hay, near Baguio, Benguet, Luzon, Sec. 1 to 12, 1905. Several Quall flooks in Bued River Conyon, between Coolgans and Comp Mo. 4, Donguer Coart, Lugar, 10 Lavarilo Dingras, Hoers Norte Luzon, January 16, 1990 Chundant, in large flor 11s, from Dingras to Padsan, Hoers Norte Province, Lugor, Gance Lugon, January 18,1902. Lavay to Vintar Lake, Cla- " 23-27; "
Lavay River and Lavay Lake, cio " 27, " C, " 15, ". Abundant from Lavaglo Magharlean, do " "Davila to Lavag, do March 9,1907. In a dry sice field man Laray, January 23, 1904, I fired whom a flock of 100 and got of Their stomach & were filled with whole grains of rice. How not Camp form Hay, Dunguet Province, Lugar V 16. 24, 1906. Thorns, about townflohu Hay, X ce. 24,1906% fan. 4,1907, willered

(Sheet II.) Munia cabanisit Sharpe. grass and wreads, and frequently flighing in the bushes. or lourn linebs of the fines. Noted from the Baguio, Benguet Province to the coast at Dan Fernando, La Unión Province, Luzon, May, 19420

254 (Sheet 1.) 3/3 Perser montanus (Linnous). The Difference of the Soft 15 hundred o' were noted Soft 15 While at Manila, Luzon, July 27 to august 1, 1903, this Sparrow was seen in abundance in the cety and suburbs of Manila, frequenting the yords, parks, streets and houses, and fairly ownruing in the Horar went corrale. I did not meet with it again until my return to Manila, Conquest 17, 1904. abundant at The First Reserve Hospital Manula, P. J., aug. 17 to 21, 1904. Came into the wards. Habits pure he il iste Paper domesticus, but less querrelsome. July 26 to august 15. - The Yree - Sparrow is as orbundant and tame in the city of Manila as the European House-Sparrow is in cities of the castern United States. At this time its plumage is Juded and much abraded from war. I saw them Vin abundance along the country roads for miles outside the city limits. They come into Ahr courtyards and houses, and are lasharshvorced than Jasser domesticies. By the latter fast of august the plumage was rapidly improving by the new deathering, and some well-filmed birds were new during larly Sottlemin, but the change was not generally

(Sheet II.) Tasser montanus (Linnaeus) Holed at Manila, July 26 to 29 and July 31 to Ougust 4,1905. aug. 5 to Dec. , 1905. Resident Marila, January 12, 190 F.D. Abundant at Lucina, porther Lezon, March 30,1907, Cebu, Cebu Island, September 3, 1906. Marila; Primping Station; Don Mateo, Lugor, Deplember 17,1906 In flocks, Munica to Certifolo, Luzon, Deplember 21, 1906. abundant in the town of Coebu, Coebu Island, July 10, 1906. noted at Manila, Luzon Saland, July 15 to 18, 1906.

(Sheet I.) Unidentified species. Bird the size and colors of Canada Warbler noted at Problema young make of Blk throated Sunbird, gandroanga, Minda nao, P. D., October 10-16, 1903, at Baganga, castern Mindanao, J. D., Celober 22, 1903, I noted a "Black brid the size of a Robin which uttered a peculiar note."; also a "small black bird with crest." aleont 100 Sandpipers about the size of Lurnstone were seen at Mali, southern Mindanao, O. D. Ont. 23, 1903. (It Pantar, Mindanao in August and Deplembre, and at Jarang, Mindanao, P.D., Celober 18, 1903, I breame familiai with a Warbler-little brown fried about the rize of a Hightingale, which, from its note and habits I called, in my notes, the "Gelping Frassbird." When approached as it cling to a tall spray of cogon grass it would run down the grass stems like a mouse and disappear in the cogon, whence it could not be flushed. Several were shot but could not be found in the heavy grass of the esqualis. This is not Ahr bird I have called "Dreat Roed Warbler (No. 13168 )in my niedebooks. On the trank of Sarangani Bay, braide a cogonal at Makar, on October 26, 1903, I saw a bird Alu size of a Hermit Hurnsh, having a big buffyhead.

(Steet II.) Unidentified Birds. On the island of Sulu, P. I., my attention was called to "Heaver Firsto" nests," which were made of Cause own together. I never examined these mests, owing to the activity of the military operations a i progress; but saw several small lands in the tree ricoentling Sun Bunds. One of these trees was on the trail that we morehed from Has an't is Wish · Ea; on November 14,1903. In crossing the pland of Sulu, from Ma's cotta to Corcin Mionniani, November 15, 1903, a "brown-and-gray Hawk" was note: On a early on a stream at the foot of Cerater Mountaini, on the island of Sulu, J. 2., on november 15, 1903, Draw a long, green bird the size of Harpactes apdens." Perhapsit was smaller. In a Moro field of tapioca a large, drab-gray Hawk with a white it head, size of Duck Hawk, was seen november 25,1903. Gellowbrast Warblers were noted at Joio, Duis, November 21-26, 1903. "Dusky, black-browned Sunbirds" were noted at Bung Bung, southern Mindanao, P. D. January 30,1904.
Mindpudo, P. D., two brids were seen for the first time:
a very small Kniffisher with a white breast, land a very small

(Sheet III.) Unidentified Grids. Draisay, February 4, 1904. - Jacu but three species of birds on the island of Season clearly enough for determination during our brief landaines. Small brids were singing in every tree in the fort, but I was too lousy to identify them. While lying at direhor at Camp Overston, northern Mindanao, P. J., February 15, 1904, it rained; but it cleared sometimes, and, whenever the seen came out for a few minutes, small berrds on the shore would begin to sing. CA the Subano village of Mucas, on Saran= = gani Bay, northern Mindanao, February 16, 1904, a "though similar to but larger than the British Sparrow Hawk (accipiter misus) "was noted. Danta Maria, N. Mind., Feb. 17, 1904 Yelping large Warblers like those of Paular and Parang, also whisting song bird, heard at Marivelia, and various parts of Mind. Santa Maria, N. Mind, Feb. 17, 1904, a large Hawl soured overhead uttering a note that sounded luke an exaggerated repetition of the call of the Chuerican Wood Pewer. I saw and heard this bird on an Island in Davas Bay and many other parts of Ulindanao, P. I interes Jolo an West Bolod Island, in the Sulu Sea, between Jolo and Zamboungger, Hebruary 21, 1904, a good wann amall birds were seen but not identified.

(Sheet IV.) "Unidentified Species. as I walked along the rocky shore of the island of Cagayan Dulu, February 25, 1904, a gray bird having a light shot (blue?) on the wing flew from crags above the lowest cliff, quelly disappearing around angles of the rocky shore so that I could not get a very good view of it. It was the oize of Colornia panagensis and packed on dry branches, as a Knigfeiler would. On Ahr island of Cagayan Sulu, February 25 and 26, 1904, many small birds were seen and heard in the forest and among the everanut trees which could not be identified. One blue-black bird flew past me that resembled on Cerow Blackburd. a small Hawk, the size of the Paritish Restret was quite common. Captain Laughorne, who crossed Thursdand from north to south and returned, February 25, 1904, reported seeing "a brown Conescoo the size of Hamina Calorins panagenors or smaller. He place deer the arnall Hawk noted above, which he described as the size of Cerchneis timmunerelus (Limaeur) or slightly larger. Fet. 26, while on a mountain ridge, two gray birds, smaller than (Estamus leveogaster darled out of An bushes, and disappeared over the cliff. They were about the color of Munia organiona, but more slender no others were deen

(Sheet V.) Unidentified Species. On Caryayan Sulu many unidentified small brids seen and beard every time of went out. Denon Mariano de Leon, Presidente of the island of Cagayan Suler, sporte of a "little bird that calches in sicts; colors, red on wings and back, bill white." On the island of Siassi, J. J., Captani J. L. Dmith, 17th Infantry, U.D.C., in 1903-of, noted a "Colveken Hawk"; "Eagles ( three Kinds, Mu largest being known by the name of manaal [Moro]; a "large white Heron"; a "small brown Heron"; Two Kinds of brids that live in the grass [controlnes?], known as "To angan" and "Lambal [Moro], respectively; "Wild Pigeon Hat is brown triged with green," and ather species that were more easily placed. Captani Firan 11 17. 140 Coy, U. S. army notice a singring When " like the U. S. House Wren mi the mountains between D was and the head of Ha Celif Rier, Mindanas, P. I., in early June, 1904, On a ridge of the marshy evgoral between Kudar= = angan and Barak, in the Pro-Grande ilt ( antar, Am first day of collected losses of saw a loved the size of a Glossy Starling that I supposed to Haloyon hombronin

Unidentified species Street VI. I faint the size of the Philippine Frogon, seen in high forest, with brilliantly - red under parts, seen near Cantar. Doubless a male trogon Governor Bolton + 1h. 7 betaker & Killing Ength red bird on the Gulf of Davao, At Paular Clisted a "Steender Brown Dens. At Cantar of saw in the heavy forest, on a sico. jonneh a small, brown-billed bird, perhais ? , tini fisher, but not a spicees seen elsewhere. Morsing flooking brids" Slew over Panelar during Softembar, 1903. I never was able to identify them They oppeared to be the size of Horsey Starting, un of Bald- headed Fraciles. On April 11, 1904, when I rode from leauf Vicars to Walabang, innumerable bird voices were heard in the treetops, but I could not destinguish most of them. I noted two new birds new to my Experience: a couple of rost little brown fellows sat on a dry twig near the ground at the side of the road; they reminded me of the English Robin. I larger bird, bright red in front crossed the road in front of us and darted into the black shadow of the heavy forest timber. On May 17, 1904, on Lake Leguasan, Mindanao, a Small brown Rail was noted - Same as calificately

255 (Sheet VII.) Unidentified Birds. Small whitish-gray brids (Flycatchers?) un seen in? beside the road, between Comp Vicars and Mataling Halls, Deptember 29, 1903; and lielwan Mataling and Malabang, later in the day were deen a "mintletude of small birds" which I could not identify. In the divide on the mountains between Parang and Luke Butig, at the altitude of perhaps 5000 feet, was seen a bird the size of a Calbird, with harsh voice like a Jay. Many small birds were seen and heard but not identified on the trail across the South Coast Mountains, between Parang and Lake Beiling Mirorgh Cararao Pase, Mindanno, Sept. 30 to Oct. 5, 1903. On Lake Legicasan, Mindanao, May 18, 1904, I noted: "Two larger, whitish Terus [ than Hydrocheledon hybrida I flew over the lake, uttering loud harsh cries. They were smaller than Sterna bergil borrote's Bangs. Lake Liguasan, Mindanao. Way 17 to , 1904. It great variety of bird sounds issue from the floating grass bogs, and some days would be required to ferret out all of the ornthological secrets of this peculiar body of tury-covered water. The Rail collected (Voliolininas cenereus) is the most com-= mon one, but I saw other Kinds of Kail.

(Sheet VIII.) Unidentified Wirds. Lake Lignasan Mindanao, May 19, 1904. - "I Huith there are several species of Rail on Lake Liquasan, though only two species (Soliolinenas chiereus and amourornis phornicura) were identified, during theree days opent on the lake (May 17 to 19, 1904) Many strange sounds is sue from the march veg = evening and during the march veg = etation, especially at might Lax Leguasan, Ulindamo, May 17 -19,1904 a "large singing bird was frequently heard, and occasional glimpses of it seem, which ? was unable to identify. It was only met with on the Buluan Oliver, late in May, 1904 On the Beluan Kiver between Lake Liquiasan and Lake Buluan, May 21,1904, I noted "plenty of the larger [Than Hydrochelidon hybrida] Jens, with pure white breasts, not the largest species (Sterna bergir borcolis Bangs). On the Buluan River, between Landog and Lake Liguasan, Mindanao, May 27, 1904, O"Daw many Rails having the double white strip on head ( Poliolinenas cinereus); but several others seemed larger and grayer Of Placer, northeastern Mindanao, april 20, 1904, "many small birds were seen" which were not identified.
On the Island of Sinagat, May 21, 1904, a
"large, white-breasted Dicacum was noted.

( Sheet TX) Unidentified Birds. Landed at Dinagat, on the Island of Dinagat, april 21,1904, and climbed to the summit of a densely-wooded hill, where Captain Me Coy and I seew a reddish brown bird the size of agelaius, which ittered a harsh note. We also heard land, sef--ulchral ery of a large wood-bird, which I never rdesitionid. In the goological and Botanical Darden, cety of Manila, Sept. 24, 1905, I Sound two smashed eggs on the path, pure white. The Dove, Mirah Bird and Haleyon chloris were the only birds of a size to produce those eggs that withouts inhabiting the Gardens. Deveral pairs of small black-and-white (males) ( Fly catcher's (females brown) seen setting on posts, stake, ite., at Host William Me Kinley, six mules from Manila, September 22, 1905. (Mil 22, 1904. - Cerrived off mouth of agusan River, Mindanas during last night. Enormous flocks of Terns and Waders constantly arising from bors at mouth of rure. " La terrible hurricane hassed over This region on the afternoon of the Later (apr. 22), when ascending the Tubar Viver, I saw one "rusty-gray bird the size of a Thrush", which I have not identified.

(Sheet X.) Unidentified Birds. When ascending the Tubay Kiers, northern Mindanao, April 22, 1904 (the day before the freat hurricane of 1904), great hordes of shore and sea birds were seen. Among them were numbers of a large Totames or Linosa, which at a distance, during flight, exhibited "white tail and rump" (similar to the Kedshautes pattern). The bird sent to Dr. Richmond, by Me Greggor for identification was doubtless one of the large openes noted on the Lubay Kurr on this occasion, as the size was about the same, ite. Later in the day (april 22) I noted Waders, especially Curlew and Godwits (?) are abundant still." Swifts: - On the Lubay Priver, northern Mudaneo, I noted: "Long-tailed small Swifts" and also small dusky Surfts (i.e. Collocalia Juciphaga), at april 22, 1904. Ot many places in Mindanao, especially on rivers, I noted two species of small, all dusky Surfts which were distinguishable in the air. Both were amaller than the Ce. whiteheadi that I afterwards colelected on W. Op The Yelfing Warbler (speenen from Season) was abundant at the Government Expermental Form, San Romon, Zumbounga District, Mindanao P. J. March 23, 1906 Yelping Warbler at ayala, Mindanao, P. J., Opril 24, 1906 Bird = Pajaro-(Spanie).

Bird = Pah-pan-oak (Moros of Lake Tanso).

Bird = In-eoo-eoor (Malay).

An Mu cogenal extending from Mer Scranaya Warsh to Me Upper Libungan River, east of Cottabato, Mindan= To, March 12 and 13, 1904, Jours many of the burds Mat I have called yelfing wanted. On the Rio Drande at the mouth of the estero That drains the Deranaya Warsh, I moled, Warch 14,1904: Hoaling islands poured with grassy turf, Carge enough to build a house whom, are floating down the river. From one a Kail, size of Virginia Rais, New ashore. It was pale colored. Head asher; back phireceous, underhants milowing Lourn down the Rio Brande, March 14, 1904, Insted: " Pair of Waders with alive bodies; red bills.; size of Ver dussumeri, were osen." (April 28,1904 - Ofter marching all day, camped on the Baganga River, where many brid voice & were heard. Our song was like that of the Large-luller Water Street. On april 29 and 30, Jullouring the Baganga River lowards its source, brids were very searce throughout this mountain begion; but munerous bird voices were heard that could not it amall beirds were heard but none could be raining

Sheet Bil. Unidentified Birds. These are names Greater Dedge Warbler Lesser " "Yelping Warbles Red-Jaced Parrot" used in an early list of (Partar brids which I have not Red- Wriged Parrot yet placed actisfactory Long-tailed Swallow Dlender brown bird Little Whitehead Little brownbill "Many small brids" was noted, at the Mandayan vellage of Catee, on the upper Cateel Priver, eastern thundans May 2, 1904; also "hundrede of birds flething woor us but none seen plainly," pane date. One species of Coneal was heard and seen in the cogon grass about the source of the Cateel River, in the East Good Runge of Mendanas, May 3, 1904, A rather large brown bird, whose flight renundad of the upper Bacoco Prize, nearly the campon te ast Coast Range, Mindanao, May 4, 1904 a black- and-white bird the size of Molollers ater was noted on the agusan Prize, betevern Pilar and Jativa, Mendanao, May 6, 1904 July 25, 1905. - as we entered Dan Bernardeno Straits, flocks of rather large whitish waders were passing

Unidentified Brids. (Sheet XIII.) A brown bird, apparentle, a flycatcher was seen, but not shot or positively identified, on one of three lettle revooded silets of the southern extremity of Dibutu Island, January 5, 1900. On the Large Kien, from ladsan to Laray, farmery 17 and 18, 190%, I saw in two places, a small flyeatelen Maving a reddish tail, once seen in tramboo belevern Drugras and San Miguel, once Costuran Padsan and Drugraz, which I was unable to identify. It was too small for a Whipidura. On Paray Lake, February 5, 1907. - Inoled: Redhead or Pochard. - Many duells wirth red heads and canvas backs were seen; one shot, not recovered. also: "Large Hawk with shoulders white or buff, under surface of body dark; two seen." "White-chested Hawk with long occipital plumes; one on a tree near Davila, Hocos Trote, Lezon, March 9, 1907. Mr. Haight has frequently seen, mean Soway, in morthern Bouquet, a small grayish hawk (parhaps an Olstur) " sneaking" in the ook forest. Muro Warblera resembling (lerveephalus orientalis but much omaller, were seen mi tall march grass in a corner of the meadour in front of Haightis place house, in de orthern Benguet, Luzon, in July, 1907.

(Sheet XIV.) "Unidentified Birds. On March 27, 1967, as we steamed out of the San Bernardino Straits from the westward, numbers of amall white term (Sterna ) werk flying about the aboves of small, rocks islands containing many caves. Islands of D.E. Lugon ( no. On unidentified ofecies of Clothus, different from Cuthus rufulus the up from the rogan, on the base of Mount Mayon Legasti side, albay Province Luyon, March 28, 1907, Of Jage Deenbird with dark-green back was seen at Lucina, southern Luzon, March 30, 1907. On June 5, 1907, when descending Mount Mayon, albay Province, Luzon, at 3500 feet altitude, I found this nest, but did not see the birds:-Egg stongate oval, 22 by 14.5 mm. Cevlor plain elive-brown except a blotch of Jurplish brown 11 mm. in drameter which occupies the center of the great and. West and egg sent to the US Mat wins. Dandpipers the size of Totames or Glottes were seen on Fruga Island, O. J. May 29 and 30, 1907, when Mr. William Dorr Caspenter shot one but did mot fried it.

Unidentified Birds. (Sheet XY.) When Mefers. Hulchinson and Merrill were on the main ridge of Work Halcon, chopping Isail, nov. 19, 1906, at 8000 feet they Sound Herral birds of a species about the dize of Merula mindorausis, with broad rounded tail and terminal grayish-white tips to the rectrices. These brids had a general wood-brown color, drank at a pool of ramwater and then flew down over the mountainside Left Jamboanga at 10 P. M., January 19, 1906, for Palmas Island. Early in the morning, January 20th, "dark-colored sea birds were seen but I was sleeping and did not see them. On Basilan Island, between Camp no. 2 and Camp No. 3, January 29, 1906, I noted "a Warbler like No. eollected on Diassi Island, A was again seen at Tipo Tipo, in the interior of Basilan Island, Florwary 3, 1906; also between Camp No. 8 and La Mitan, north Basilan, Feb. 4, 1906; also near Isabella, Basilan, Feb. 13, 1906; abundant from Camp 3 (near Lipu Lipu) to Camp 4, south Basilan, Offebruary 16, 1906; abuntant from Camp 40.4 on the Buli Buli Privir to Camp 20.5, south Basilan, Fibr. 17, 1906; also Malusa, west Basilan, Feb. 19, 1906.

(SheefXVI.) Unidentified Birds At Isabella, Basilan Island, February 13, 1906, I saw a strange frigeon: with reddish-brown breast; orange-red eyes; white chin and throat; white Stipped bill, vinaceous at base. a nature girl (Hilipino) had it alive taking it to Zamboanga. Dize of Columba griseigularis or smaller. Compare Columba griseigularis, especially as to coloration of bill. Several Wood shot a specimen of Hypotaenidia torquata on Cajoagan Island, off north Damar, October 2, 1906; at the same trine he saw running over the soral socks ni the level forast a smaller blockish, and having red on its bill." On Loran Island, off Wian Id., October 12, 1906, I saw a long-billed brown bird the size of Macronous Heree shot could not be found in the jungle. On Diasi Island, October 11, 1906, a small Hycatetier and several other small birds were shot but not recovered. On Turnindao Island (off Ditanki Id.), October 13,1906, though I spent half a day in the jungle Isaw only one very small bird (pellowish). I heard one sweetly only one very small bird (pellowish). I heard one sweetly - singing bird, but could not find it in the forest as it always ceased singing when approached.

(Sheet\_XVII.) Unidentified Brids. (On Manuk Manka Island, off Sawi Jawi, Jamary 6,1906, I saw many small birds not identified. On little mangrove tufts on soval flatsoff Simaluc Doland, January 8, 1906, James viry amall Kingfishers, blue with red breasts, and a note like the an exaggerated Cedar Waxwing's . These may have been a longy or alcodo. Vee-chah-goo, moros of Siasi Island. This is specimen U.S. 47 hours, with collected at Siatu, Diasi Island, January 9, 1906. This species was afterwards frequently, noted on Basilan Island, guring reference to this specimen. S. "Vinden. Politalo, Short XVI. Deveral other openies of birds were over or heard on East Bolod Island, January 10, 1906, Which could not be identified. One was a brown lained the size and octor of a Hernich Hurch whol I shot but could not find among the rocks and vines among which it fell. On West Bolod Island, Duly Dea, January 10,1906, Master Leonard Wood, fr., saw a bird An aize of 12 hipidura myritorquis with a bright yellow Greast, January 10, 1906.

(Sheet XIX.) Anidentified Birds.
Of Cebu, July 9,1906, among bamboo trees on a stream bryond the cometery were several black-and-white brids which I noted at the time as nimales, the that species has not bern found on Cebu, and I was doubtful at the Twie. Look up Dierurus mirabilis, Cottocinela cobuensis, and Edolisoma alterum.

At Dulag, on the east coast of Loute, July 25, 1906, a small brown bird, less than Injeniorotus, was plentiful. It had obsolete stripes on breast.

(Sheet I.) Puffinus leucomelas Tenumines If great many were seen of the nortwest coast of Luzon, between Bojeador and apari, May 26,1907. Steaming down the last evast of Leizon from Huga Island, May 31, 1907, these were the only brinks (Plenty off shore from Balan Island, May 27 and 28, 1907. It like the roughest seas. (Af north above of It Dule Toland, March 1 and 8, 1906 Off last shore of Dulu Island, March 2, 1906. Between Lambounga and Jolo, on the Dulu Lea, March 8, 1906, flying northward. Flock on the Collebes Dea off south Mindanao, Between Zamboanga and Margosatibig, Ward 13, 1906.

Tulica atra Linnaux.

I shot one of several over on Paray Lake, Flores.

Note Province, Suzon, January 27, 1907.

Chundant on Paray Jake, Tubruary 5, 1904. Pilunary on I and it is an expert dierr and smeak and very hard to recome.

(Sheet 1.) Hypotaenidia striata (Timacus). Hypotaendia plielifficuries (Vinnacus). Hyprotainedeir torquata (Linnace 2). Hypotacridia (110.14744), - Wie seen in a high dry field among the sand hills mar the mouth of the Lavag Kirer, Thores Virte (Promines Luzon, January 20-22, 1907. Our chot, 40 . 22. Hypotranidia (No.14:144) .- Lavagto Vintar Lake, Hocarlorte Jan. 23-24 Hy fortandia (No. 14444). La ong to Jacay Lake, January 5, "; abundant on the shores of Paray Lak. Higholownidia (no. 14744). Soural mean Paraguin and Davila and one at mear the Bojeader light, Hoce horte, 416. 15, 1907 Applotaenidia philippinenses. - Several were aided believen Vintar and Bejeador, Hoose Hoste Province, Luzon, Feb. 15, 1957. Hypotaenidia philippensis: A few were seen in trails and lously edges of fields, and especially in fields of sugar-cane, around Lavay, Hocos Norte Grovince Lujon, from January to March, 1907 Specimens oullected at Lavag, January 22,1907. Alfrotaemdia lorguata (No. 15000). - not uncommon Som Hornary 15 to March 9, 1907. H. H. torquata et philippineusis were both common around de any

(Sheet II.) Hypotainidea striata (Tinnacus). " , philippinensis (Lin nacua). Torquata (Lin mains). A. torqueta. - One in the road mean kag partiain, word 9, 1907. H. striata. Lake Lanco, Tiundance. 4. Milippinensis - Seese, March 9, 1907, ven Bojeastor, Davila, Pasuguire, and Bacara, Hocas Hotelugare. H. Striata . - I shot one near Batare, Llocos horte Province Luzon, March , 1907. Tho. 14744, marked H. philippineuses, fal: frie sid. Bill brownish red at base, shading to plumbeous - die at the Fact and claus die-gray. Measurements: 302; 470; 140; 75; 30; 43; 41; length, from tip of bill to end of claus, 375 mm. Dizzard contained gravel, seeds, and insect remains. Shot on a high, dry hill . It proved to be a de livious table bird Mearmouth of Lavaglier, Horax hoste) Appotaendia torqueta. - Several were seen on Hrega Island, P. J. May 29 and 30, 1907 Hypolicenidia torquata. - Several were ween on Cajoagan Island, off north Damar, October 2, 1906, When Hours Leonard Wood What specimen No. 14339, Bul. - br, 1903, I saw the smallest of the 3 species of Hypolaindia (stricta?), which was also collected there by Chaplania (Ceaptain) Joseph Celemens, usarmy.

Macrofulgia tenuirostris Bonoparte.

Dava o, bon thern Mindanso, July 19, 1904
Specimen No. 13681, Fjiw, sattestedful, 13, 1904, mean
Sagulaya and Davao Stelf; slowned contained lobate.

(E3) birries called Boong - ale (n) the Bagobos.

Large Gran Orgeon Sphenocercus australia Mc Yregor. A large green Jugeon was seen in cages at Danto Domingo de Basco, Balan Island, May 27, 1907. On may 28, I sent Servaco ashore to buy some of them; but he brought out to the ship two of Ceolumba gineigularia instead.

Treron nipalensis (Hodgs. Two shot at Dubaan, lastern Mundovo, Dieember 6, 1906. Ot Melville, Balabak Island, October 16, 1906, a male and Jemale were shot, October 16, 1906. No. 14444, & ad . preserved.

(Sheet 1.) Total plectren majorcenis vessen. (14 the residence of Loverner Heller, of Princeso, instronit of Palawn Island, Deplember 11, 1906, i) .... it is of this super b. pheasant Mat had bran & collected to the vicinity by Dergeast Howman of the Hospital Coops, U.S. army, Freazurer Martini, of Tuerto- In meesa nifermed . m. that "peacock-pheasants" were memories about the station, although theore seen were usuall brought in alive by the nativis who are expert at capturing Them.

Durnix Jusciala (Temminek) One pair, in dry field man a light subtill, on right side of Lavage Circ, Flocos horte Province, Luzon, Junuary 20 5 22,1907. Large to Paray Sale, and on the lake shore, in Horos. Morte Province, Leizon. One near Passiquin, Hocos horte, Luzon, Fubruary 15, 1904. Burditt Manganeselling, extreme HW. point of Luzon, " 19 ". not uncommon at nagfartiair, I locas Norte Province, in the extreme north of Luzon, February 15 to March 9, 1907; mucahot Febr. 20th It was frequently seen where the cogon grass had been burned from the roadside, believen Rag = - partian and Banqui. It is hard to flush them, as , Then, run Merough the grass or stubble like mice. When closely approached in the rice slubble it lies very close, and when Hushed flies straight to the morrest course often makeing a flight of 100 yards; but, where course is it is surrounded by good cover, it often flies high and drops suddenly, like a woodcock. & Several ocen in the road mean Bacara, Pasuguin, and Davila, Hocos Norte, Luzon, March 9,1907.

(Sheet II.) With uh (D) sorder of northern Bruguet). ofthe organites of the protion of De gut his tie du, who brought we specience, said his it the end : mon in the suitevisted ands of the decrotes and in openings in the hine and rate of enclos. Contracting Access Amore a Knowledge to health and, and Laguer, to get fre inchance, incoming to the dear 1907. His sheries ned some will be in the stand is sed The lock of the Of mule specimen, latter on the highest hart of the infitary revenue, at Company John Hay, Benguet Freiner Duzon, April 20,1907, had the ubdeminal cale, unent Thiellined and odomalous, and many of the feathers placed from the belly, showing that the brief had probably bean setting (Pir May 5, 1907, an immature male flew over an I good turk fonce Mr. Willerin Dorn Confender followed it and flushed it; but it immediately tropped in the. grass; and, sooner than take wing again, it allowed Wilearfenter to catchit in hand. Left in Bureau of Decence: Specimins 14490, 14796, and 14795.

(Sheet 1) Phlogarnas erinigera (Jacq. and Pucher). Doon-doo-ni, Moros of Basilan Usland. Several worre flused from the trail, between Camp No. 5 and the Coumolarang River, in the interior of Basilan, Janua February 1, 1906. The one Mat of Daw best, from Swiftle, down the trail. Our little dog flushed it, and it flow 50 yards Marough the forest and alighted whom a big stone, where the con-= terrial bobbing of its head laught my eye. On shooting it flew away wounded. Camp No. 6 to Coamp No. 7 (near Tipo Tipo, in the interior of Basilan Island, February 2, 1906. Camp No. 1 to Camp No. 2, interior of Basilan Id., Feb. 14, 1906. Camp No.2 to Camp No. 3 (at Tipu Tipu), Baselan Id., Feb. 15,1906. Camp No. 8, northwest Basilan, February 20, 1906. Camp No. 9 (Mansser's place), 2 miles west of Isabella, Basilan Island, February 21 and 22, 1906. , Inear site of Dorey's Camp no.4, Jan. 30-31,1906 west coast of Baselan Island, March 3, 1906. Captain James S. Jervey, of the Engineer Ceorps, U.S. army, shot one at Mercedes, southwestern Mindanao, March 16, 1906. Paloma le monte, Filipinos of Zamboarga, fide Estrellas.

(Sheet I.) (Phlogoenas luzonica (Scotoli). Nivo une vien, surving under busies mear. The roadvide on he hank of used, i'm frest a stant distance balour Jivin Peur 2, Lugar, 2 ecculor 23, 1906.

(Phlogornas platenae Hartert. One shot on mountain side between samps 1 and 2, north of Mout Haleon, Mundoro, Nov. 5,1906. Very tame. Hew up upon a log and act bobbing its head until shot. Several seen between the Benibi Prier and Subaan, Mindoro, December 5, 1906, When one was collected. One seen December 3, 1906, at the first crossing of the alag River, Comp no , albehate

Gyrrhula, leneogenys Grant. Koo-goo'-ce or Ko'-que (Agoroles of Benguet.) I compared with a lefunda topolype in the collection of the U.S. National Museum. Some intre en 11.1. noted. My collection contains is shiris from Malindang, two of which were left with 4110 de ege, at Marila, to be tilured later; Illsor one stin form Huights. Let them logether for comparison Willy the aprenion collected was seen in Denguet; lout the species is familiar in Typiales There. Specimens: No. 14278

(Imberiza sulfurata Elminica und Delileget. Digramino loc Lavag, flocos Horle, Tuzon, January 14, 1907.

Lavaghin from Lavag lo Dring, as do

" Lavaghin from Lavag lo Dring, as do

" Lavag, do

" Lavag, do

" 18, ",

Obundant in Hu Tarag Valle, below Lavag, January 20-22,

1904. as temorous as Junco hymatics. 907; as timorques as Juneo humatic. Common, Lacas to Vintar Jake, Hocos Worle, Luzon, Jan. 23-27,1904. ", " " Jaoay ", do " 27, ". Seen everywhere, hundreds of them, but dispersed, in Small flocks, from Lavag to Pavay Lake, Hoeve norte Province, Luzon, Frebruary 5,1907; has a note like the Conary-birder some (Iround Lang, Hocos Norte, Luzon, Fich mary 1, 1911. Mumerous flocks, from Langlo Bojecolor, Hocozhoite, Heb. 15, 1907. A flock was seen at Nagfarlian, Hocozhorte Province Luyon, March 5, 1907. On great abundance from Maghartian to Lavag, Hocos Norte, March 9, 190%, a specimen Rilled at Faray January 30 had its crop filled with rice. all of those previously shot had eaten only fine grass seeds. (I few Sparrous, opposent, this operies, were noted at to and Mallace, La Union Similar, Lugar, Than, 20-25 ;; is specimens. — 14754, 14823, 14777, 14890, 14721, 14831, 14830, 14733, 14719, 14778, 14720, 14734, 14755, and 14735.

(Sheet I.) Loxia luzoniensis Grant. Not uncommon in the pine forests around Baqueo, Benguet Province, Leizon, December 17512, 1905. Hound up to 6500 feet ou Mount Sails Towas, Benguet Province, Luzon, Dieember 19:10, 1905. Dig zag Vrail, above (colgans, 12 mquet Province Luzon, Sec. 13, (Che X seember 13, 1906, large flooks of prosbells were soon just above the bridge velow Coolgans (altetude 2500 feet). The pines there extend to the riverbank. The crossbills drank at little scops along ledges of the riverbank. With a few small cartridges of stat 18 (tomber above the first bridge on the Bued River (nearly a nucle Calow Ceolgans), 11 the altitude of 2500 feet. (It this point the fines (Sinus vivularis) descend to the interior Che December 24, 1906, a four une de igning in lainel River and alighting on dead limbs, at the love ten reter of the Pine Jone, an Burd River, below Colgans, Deugud. h Noted at inequio, Denguel Viriee, Luzon, Dec. 26, 1906. Univily of Bayuir Berynet, 2002 4, 1906 to Hand, 1907: Common in price at all altitudes. It ulters a shivery, tremulous is de as it flies from tree to tree. is trialed Month frail from Bagicia lo San her wande, Lu gen, Mas 19 and 20, 1907. The lower border of the pingon, the

Ny-yuh, moros of Bacilan Island (Sheet L.) Mroloncha everetti (Tweeddale). west coast of Busilan Island, March 3, 1966. Ubundant, locally, in bushy march lands, wear Laabella, Basilon Island, January 26 and 27, 1906, moving in large, Ringing flocks Locally, in flocks, west from Isabella to teamp ho. 2, on Basilan Whand, January 28, 19. 6 Between Camp No. 3 and Camp No. 4, northwest Basilan, January 30, 1906 Tipo Tipo to Camp No. 8, interior of Basilan Island, Feet: 3, 1906. Coump No. 8 lo La Mitan, north Baselan, February 4,1900 Estrellus, a Filipinio, native of Zambonga, Neindanao Calla it Myia-pah-King, and says it is common. Moros of Basilan Island call it My-yuh Tipu Tipu, interior of Basilan Island, February 15, 1906. Coampe No. 3 to Camp No. 4, Basilan Island, Hibruary 16, 1916 Buli Buli Kriver to Camp No. 5, south Basilan, 11/19 Camp No. 5 to Camp No. 6, south Basilan, February 15, 1906 Malusa, West Basilan, February 19, 1906 Camp No. 8 to Camp No. 9 (Musser's), north Basilan, Fel 21, 1901 Musser's plantation, near Isaballa, Basilan, Fieb. 2.2.190 Toucas Voland, off northeast Mindanao, October 4, 1906 Abundant at the old Spanish fort, at Tatan, Tawi Cawi Island, January 7, 1906 Suli Island, from Jolo to Maimbein, Bud Dajo, Carater Lake, and Diet Jake, March 1 am 2, 1906.

(Shut 11.) Uroloncha everetti (Tweeddale). Noj-oyuh, Moros of Basilan Island. Pricito-Princesa, cart Palawan, Deflowber 11, 1906. Ontipolo, Prijal Province, Luzon, Deflowber 21, 1906.

(Sheet I.) Spodiopsar cineraceus (Temminek). Chinese Gray Starling. Spodiofsar cineraceus Mearns, Philippine Journ. Dei., II, October, 1907, p. 353 at Lavay, Hoear norte Province, Luzon, January 25,1907, I shot a male, the only one seen. It was alone and shy. The original entry is as follows: 14776. Spodiofsar cineraceus. B. Zavay. Jan. 25, 1907. Ino grayich white, Joh of maxilla alive; sides of maxilla and all of mandeble (except extreme tip which is alive) yellow. Huck greenish yellow; claus horn color? Toodfellowia. miranda Haitert.

Soo-cah-ling, Bagobos of Mount apo, Mindanao.

At 6750 Leet attitude, on Mount apo, Mindanao, June
22,1904, Miese birds were feeding on black berbies of
a tree, in which I shot seven and a Jugeon.

(Sheet VI.) Darcops calvus calvus (Linacus) and Darcops calvus melmonotus Drant. Duling, east shore of Davas Sulf, southern Mindanas, June 12,1904.
Davas, southern Mindanas, June 13,1904. Abundant at Sagulaya, on the west shore of the Stulf of Davas, June 14, 1904, when Hovernor Bollon what the 13499, Bad; also collected no. 13502, Fad. Davao, Mindanao, call it Too-kal'-ling.

## Eulabes palawanensis (Sharpe).

Three were shot by General Wood and Denor Estrellus at Milville, Balabae Island, October 16, 1906. Specimens: Nos. 14437 and 14438, adult males, and 14439, fad. Corone philippina Bonoparte.

Cump Overton, morthern Mindanao, July 9, 1906.

Vaeloban, Lette Island, July 24, 1906.

Camp Overton, northern Mindanao, May 7, 1906.

Arithus imaculatus Hodge.

Down not breed in the Bunguet highlands. It was

Eastocon, man Bagnio, May 19, 1904 - the day in

which in William Derrhanter and Slight for

Carry Wallace,

(Sheet I.) Outhus gustavi Swinhor. Opecinen No. 14435, Ead., which I collected on Cagayan Sulu Island, October 15, 1906, is the only one seen by me in the Philippines.

Corvus pusillus Tweeddale (Sheet I.) Two were shot on the Naujan Prier, eastern Mindoro, March 25, 1907. They were quite numerous, in pairs, in trees broide the river, and were very tame. Iwo were also seen ireland on the trail to the Naujan River from the lower on the coast which bears the same name. It has a very rough groak. Many were seen and two shot on the Naujan Prier. It was pestering the Manula Wight Heron. Specimens collected, in Ulindoro, at:-14570. Sad. Dubaan, Mindoro, Dic. 6, 1906. 14571. Fad.

Mot uncommon around Marila, in Deplember, 1905.
Mariquina Villey, Riza Province, Luzon, Deplember 17, 1906.
Pasig and Lay Lay Varytay, Rizal Province, Luzon, Dept. 21, 1906.

## (Sheet I.) Motacilla soularis Swinhoe. Due at Lord of Lacog Kwir at Lacog, Hocos horte Province, Leizon, Hebruary 5, 1907; returning, at evening, I saw A again. Lavay, Murch 10, 1907. - This wagtair is now too fat to make good shins. Bevenline were seen queteray and to-day.

Motacilla boarula melanope Pallas

No. 13956 shot on the Librik River, routh Basilan,
Fishmany 17, 1906, when several were seen on the

stones of the stream.
Cagayan Sulu Island, Seilu Dea, October 15, 1906.

(Sheet I.) Anthreples malaccensis (Deopoli). no. 14450, Fad., was collected, October 17, 1906, at a Tagbanoa village, 5 miles in the interior from Bona Bona, Dan antonio Bay, east Palawan. Puerto-Princesa, aux Palawn, Deplember 11, 1906.

(Sheet I.) Anthrepties griseignlaris (Tweeddale). Casiguran, east coast of Tuzon, June 1, 1907. Pili Hot Springs, near Sibi, southeastern Tuzon, June 3, 1907. an Bucas Island, off northeast Mindanao, Cet. 4,1906, Mr. Horace Fletcher shot specimen No. 14364, Sad. No. 14364, Ead, from Bueas Voland and No. 14165, Fad., from Mount Malindang, Mindanao, are this species. Hemales of griseigularis differ from females of the remaining Philippine species in having the top of the head, and back, grayer.

Anthreptes Chlorigaster Wharpe.

Sulug, cast shore of Davao Luck, routhern Mindauso, June 12,1904.

(Chundant, pravients leading their Broods, on Salvind

Island, Sulf of Davao, off southern Mindauso July 17,1904.

Savao, southern Mindauso, July 18 to 30, 1904.

Anthreptes eagayanensis Mearns. (In adult Jemale (No. 14.434) was collected by the writer, on Cagayan Dulu Island, October 15, 1906. The female half not collected, and, consequents could not form a part of the origonal descrip= = trois. This openimen should be described. This spices is a sweet singer. No. 14434, fad., from Cagayan Inlu Island, is this species. It is yellower above and below than a female (No. 14450) of malaceusis from Salawan Island, and the wing of eagayanousis is longer.

(Sheet I.) Anthrefites wiglesworthi Hartert. An eccoa-mut halms at Jolo, Dulu Island, Jamany 9, 1906. Walled vily of Jolo, Sulu Island, Manch 1, 1906. Sulu Island, from Jolo lo Maimbrin, Bud Dajo. Crater Lake, and Siet Lake, March 1 and 2, 1906. (Sheet I.) Arachnothera flammifera Twerddale.

Between the Buli Buli River (Ceamp No. 4) and Ceamp No. 5, south Basilan, February 17, 1906.

(Sheet 1) A thopaga boltoni Mearns. Mount apo Sun-bird. Kah-poi-yah-poi-yuh or Kah-pue-yoo-ahn', Bagobo. The adult male topotype in the Bureau of Decence collection has the forthead greenish instead of blue; the yellow, rump shot is greenish yellow instead of clear yellow. The mantle is more tinged with golden-yellow - not so clearly green as in males from Mount Malindang. These differences may. not hold when more Upo skins are examined; but all of the Malindang skins agree and are slightly different from this one apo adult male. On June 26, 1904, Keller shot two among huckleberry bushes at Sooo feet elevation on Mount apo, Ulin =danao. On July 5, 190#4, I noted it at 8000 feet on Mountapo, and, later in the day, some of them at the top of West Peak, almost the highest point on Copo.

Athopyga Slavipeetus Grant. Estrellus shot one about red flowers of the Dichrotrichum chorisepalum Clarxe at Camp no. 5, altitude 45,00 feet, on a open of Mount Halcon, Mindoro, november 15, 1986; and a few were seen between Camp No. 6 (allebedel 300 Leet) and the main ridge of Mount Haloon, some meanly up to 8000 feet, on Nov. 21 and 23, 1906. In descending Mount Holeon, Mundows, et was found at Camp no. 4, allelede 3300 feet, november 26-28,1906. Specimen: 710.14484. Sed. Camp No. 5, allitude 4500 feet, Wet. Haleon, Mindoro, nov. 15, 1906.

(Sheet I.) Æthopyga bella Tweeddale Early Pantar, interior of Mindanao I shot one (too badly to skin) on the lower Catel River, cast Mindanao, October 5, 1906. Eamp Overton, northern Mindanao, May 7, 1906. Endrepanis pulcherrima (Sharpe).

Sfireimen tasten on the Island of Basilan. Fiewale.

Adult Jemale taken between Camp no. 5 and Camp no. 6,

south Basilan, February 18, 1906.

(Sheet 1.) Highocryptadius einnamomens Hartert. Que yew - awh'-toi, Kick-yee-K'yo, Kee-Kick'-yo, and Ko-Kick'-yo, Bagobos of Mount apo, Mindanao. On Jul, 5, 1904, I noted it at 8800 feet on W.t. Opo, Mindanao.

(Sheet I.) Phabdornis minor Grant. Near Isabella, Basilan Island, January 27,1966. Between Ceamp No. 4 and Ceamp No. 5, northwestern Basilan, January 31, 1906. Camp No. 8, northern Basilan Island, February 3, 1906. Camp No. 8 to La Mitan, north Basilan, Hebruary 4,19do. Camp No. 1 to Camp no. 2, interior of Basilan Id., Feb. 14,1906. Camp No. 2 to Camp No. 3 (at Tipu Vipu), Basilandd., Feb. 15, 1906. Note - Chaplain (Ceafitani) foreph Celemens, U.S. army, collected at Camp Keithley, Lase Lanco, Ulin : = dana a female (previously inknown & See We Greg -. = or's notice of it in Phil. Journ. Sci., II, p. 296) of Khabdornis inovuata Grant, Bull. Brit. Cruth. Celub (1896), VI, p. 18; Ibis (1897), III, p. 235, pl. 6, fig 2. Compare above with my specimen from Mount Malindang (No. ) specimen of Khabdornis.

(Sheet II.) Toutalitarus chegans chegans (Lescon). Deen ber '1/1 ( ) a .... 1 4, 1907, I noted it as very a bundant Meroughe it the fine zone, to the after if Themat Hauto Tomas, Bungent Fire ice, Lugar. Houally ac 1 1.1 from trust and the wester of vor poseto store it small. burds usually including This luca of micho, to a willa merorenea, filiene var in retrie, ferteren is whiteheadi, Cleanthopnenste bossoies, und Zosterofes whiteheadi. Aprillers a cat-like call and many other moles.
« Noted from Buguio to the Magillean, Prize, Luzen, Attack 19, 1907. Apiennens collected, in Mindo, o, at: 14469 Bad. Camp No. 3, attetude 2250 feet Mov. 9, 1906.
14469 Bad. do- "11, ".
14514 Bed. Ceamp No. 9, attetude feet, where alagnos left. Doe. " 11, ".

Hytoterpe albiventris Grant. Dah-book lugh (Igorder of Benguet). One seen at Levay, Alocas Norte Promier Luzon, Fibr. 3, 1907 Deveral pairs seen between Lavagued Savay Lake, the " 5; " Our shot on a ridge galled the Doudhills, believen La ong and Vantar, February 7, 190; Abundant at Nagfartian, Flocos Work, Luzon, February 15 No March 9,1907. It's common note is of 4 syllables - 3 level notes followed by an emphatic whip. It also sings prettety. Some pair's mated in February, but I found no next Common, in places from hagpartian to Lavag, docor Norte Province, Luzon, March 9, 1907. Cather in noon at Haighter in-the-oard, northern Benguet, Luzon, Thely 20 to August 3, 1907; found on The vak fore: Din nas abot dannary 3,1407, in a pine free at 4500 feet allibered Mongret Province, La m. Fostiles greatly inlanded. Cestrellus shot 2 at leawf no. 5, altitude 4500 feet, an a spur of Wt. Halcon, Mindoro, November 15, 1986. Not uncommon from Camp les 5 (4500 feet) up to Keamp No. 6 (6300 feet) on Mt. Halcon, Mundoro, Nov 17-22,1906. It utters a not lette the calbinders: also a hollow Chip. It was fround in small numbers From leaup ho.b, up to door feet on the main redge

Hyloterpe albiventris Y yant.

When descending Mount Haleon, Mindoro, this species was found at the Mangyan house, between camps 4 and 5, november 26 to 28, 1906. In ascending none were seen before we reached Camp No. 5, at the altitude of 4500 feet. I Lut this signifies lettle, as I have found the species at sealevel in northwesterndayor Spiennens collected, in Mindow, at: 14485 Ead. Camp no. 5, alletute 4500 feet, nov. 15, 1906. 14486 fad. 14498 Lad. Camp No. 6, attitude 6300 feet, nov. 19, 1906.
14501 Bad.

14508 Fad. Ceamp No. 8, attitude 3000 feet, "27, ".

14520 fjur. " "11, " Dec. 2, "

Thirst plumage. Junction of and alag ruises, at our lowest crossing of the alag. about 400 feet.

(Sheet X.) Artamus leucorhynchus (Linuaeus). Todaya, 1/000 feet, 1118. Opo, Mendanas, June 17, 1904 Taliend Island, Lief of Davao, off aouthern Mindanao, July 17, 1904. Davao, routhern Mindanao, July 18 10 20, 1904. Cutte Manucan Rivitet Comp Overlow, northern Mindanao, July 9, 1906, many of theselecids were Chasing Kollers (Curystomus orientalis) over the river. The Rollers made a great outery and wooded the Wood-Swallows. Dulag, east coast of Leite, July 25, 1906. Camp Overton, northern Mindanso, May 7, 1906.

Sribura peebohmi Grant.

Sock-pick' (Igordes of Benguet).

(One of shot and several seen in therield of the oak

give around Haights zinthe oat a, nothern the regreet,

Luzon, July 20 to august 3, 1907.

(Sheet II.) n Min thopmenste boreulis (Blas). Specimens taken, in Mintoro; at : Count 2005, illebute 2050 feet, Nov. 11; Dubann, Dec. 6; todapan, Dic. 8, 1906. Not peen on ( Values Island when I landed January 21, 1906; but, on Oolober 7, 1906, 9 Law aeveral and collected a premien: No. 14395, fad., Palmas Island, October 7, 1906 Shot of the top of the highest "." Lawer Caleel River, east Mindanao, October 5, 1906. Manay, cast Houndanao, October 6, 1706. I saw some of these birds at Dandakan, Bornes, October 14,1906. Between Dandakan Borneo and Cagayan Dulu Island, P. D., October 15, 1906, one came aboard the Mindanao, perched on chairs, on Captania Dorey's head, and, in short, made itself entiriey at home aboard the ship, though he had not so much as me tail-feather Specimens: 146/23, 14666, 14600, 14395, 14557. Left in Bureau of Dcience; 14623; 14666; 14600; 14395; and 14557. All of the Opicinens of Acan Thopneuste in the Bureau of Seience collection, in 1907, were a. borratio.

(Sheet I.) Horornia minuta (Swinhor). Not uncommon in Flocos north Province, Luzon, from January 16 (Lavag) to March 13 (Currimas), 1907. Specimens: 14810; no tay, shot by Ceriaco at Courrimso; Lift in Bureau of Deience: 14810,14867, and (not tagged) shot by Coeriaco

## Horornis ganturiens (Swinhor). Abundant in Horos Vole Province, Luzon from January 16 (Long) to March 8 (Nagharliain), Hourst It was almost always Jound in bamboo hedges bordering roads and trails, though occasionally Jound at the edge of woods. Pair at Magharlaidithed. 8. A few, usually in bamboo clumps, near the ground, at Bojeador, Davila, and Passignin, Hosor Norte, March 9, 1907. Specimens: 14883; 14758; 14835; 14718, 7-15023. Left in Bureau of Devence: Nos. 14883, 14758, 14835, 14718, and 15023.

Locustella ocholensis (Midd.

On Tinga Island, P. J., May 29 and 30, 1907, we found it common in cogon grass near woods. It sang at dusk of wining, flying up from the grass.

Adult male No. 15209 was collected.

Pratincola caprata (Linnaeus). noted at (K)aquio, Denguet, Xee. I and 3, 1905. Noted as abundant from Manita to Comp Stregg, along the Manila and Dagupan Routroad, July 29m 30, 1905; mostly in march rigelation mean the frech. Carup Drigg, Pangasanan, Luzon, July 29 and 30, 1905 Camp Me Kinler, July and Congust, 1905 Van Haidro, Nueva Ceija Fromice, Luzon, Nov. 27, 1905. Camp Hotsenburg, " , " , " 28, ". Camp Drigg, Pangasinan Province, " , " 29, ". Dagupan, " 30, " 30, " Numerous on the Benguet Wagon Road, in Min O Qued River Valley, Luzon, Nov. 30 and Dec. i, 1700-Not abundant in the fine forests surrounding Bagino, Benguet Province, Luzon, 2,121-12, 1905. Celout 12 were seen around Frinidad, Benquet Province, Luzon, December 3, 1905. Monde Moad, Biggag Frail, and from Coolgans to Comp 110.4 on the Benquet Wagon & rad ? Abrendant form Baguiro to Lagupan, Luzon Locate 1. Dagupan to Bayambang, Sangarinan, Jungan, One seen mar Courrina o Vlocos norte Promier, Luzon, Januari 14, 1902; very abundant Munce to France.

Pratincola caprala (Sin naous).
Banks of Lacaghrin, from Jacag la rummonth, Places " Spoudaoagto Unitardake, do "23-14",
" " Lavay ", do " 25,5,5
" " " Nagfartian, do Feb. 15, 1907. Burdett Manganese Mine, W. extremity of Luzon, " 19, " Frairly common at Nagpartian, Hocar Work, Layon, Feb. 15 to Was 9,1907. Common at Naghartian, increasing in numbers to between Bojeaffor and Hoers norte, Lugar March 9, 1907. Monally in pairs. The male sings a pretty song in the air, after finishing it on a letophene wire. Correportere abundant hourt ogerhan to Swin Stake, Lu on, 2 0.23,1906, Abrustant everywhere from Twin Seaker, to Count folint any; manally in pairs; once two moles were seen together: Coverywhe is abundant from Vierin Jeak & to Lagupan, Jan. 4, 1967. Hom & comber 23, 1406, to January 5, 1907, I moted it as abundant from scalered at Dayspan to 5500 feet on Monut Nauto Jouras, Denguet Province, Verjon Verycom - mon at toanh John Hay ; perally seen perched on

(1) heet III.) Prelicerta Pofrata (Vi mains). Cour slich prejeting but the arest toto i opening or under the pines. Il quile youlle a id very all relies little bord. The male displays three white spots conspicu-= ously as it flies away and appears all black as it sits facing one. cot Comp John Hay Benquet France, Leizan, Ofril 20, 1907, young were our gust out of the rest Legasfri, Albay Trovince, Luzon, March 28, 1907. Obundant on the base of Mount Mayon, Legaspi oede, up to 2500 feet, Albay Trovince, Luzon, March 28, 1907. Common at Lucina, routhern Luzon, March 30,1907. (16 undant from Baguio to the coast at san Fernando, Lugon, Hart 19 and 20, 1907; in grain. Common at San Herror Coamp Wallace and San Hirmando La Union Province, Luzon, May 20 to 25, 1907 Pili Hoot Aprings, near Tibi, southeastern Luzon, June 3, 1907. Base of Mount Mayon, Tobaco side, albay Province Luzon, June 4 ami 5, 19 Mariquina Valley, Rizal Fromines, Luyon, Deplember 17, 1906. Pasig, Saytay, and Aulipolo, Rizal Province, Luzon, Deft 21, 1906.

Kittoemela luzonionsis (Kittlitz). a bird the size of Sialia sialis; color black, with Jure white underparts, a broad white stripe own each eye, and a small white shot on each of its white wings, It was in the woods at the edge of the stream busy washing clothes, It was very tame. Perhops the two shot, March 2 and 3,1907, weretter only ones. Two seen at Casiguran, past coast of Lugon, june 1, 1707

(Sheef I.) Kittocincla migra Sharpe. I collected one immaliere male specimen on a west, nameless I islet of Malampaya Sound, off the Palawan Island, Deptember 12, 1906.

## Chaimarcheinis bicolon Frant.

River, between Coolgans and old Camp no. 4, I much 4 of these birds on the stones of the circumbed. Che was lying flat win a stone of the circumbed. Che was lying flat win a stone in out of the circumbed. In the others very active, flipping heir lails.

(Sheet I.) Merula mindorensis Wrant). Hirst seen on a spur of the main Halcon heak in november 13, 6906. Mindoro, at the allitude of 4000 feet, In descending the mountain at the end of a 12-days steady, downfour of rain, it was abundant, as low as 2000 feet on the same spur. At Camp no. 5, on buckleburies, of the genus Diply cosean Its note is like the Owerican Robin's. It sings very swertly, and frequently utters a love thuck. Heard daily, and occasionally seen, at Ceamp No. 6, alletude 6300 feet, Wit, Halcon, Min --dow, nov. 17 to 22, 1906. Ho song is sweet 1 Letwern Camp Vo. 6 (alletede 6300 fort) and the summit of Mount Haleon, nov. 21 to 23, 1906, this species was seldom seen, and the highest not above 85.00 feet alletede. Ut our camp on the divide of the main Halson ridge , alletude 8000 feet, several were seen. Will were seen beyond the crossing of the River, allitude Seex Remarkable for the large size of its feet, the middle too with claw almost equalling -in one indi= = videral actually - the length of the larsers. 14-16,1906. Speciniens: Nov. 14478, 14489, 14488, July 1941, all at Camplio. 5, alternale 4500 feet, nov.

(Shut I.) Merula Kelleri Mearns Mount apo Blackbird. Po-lo, Bagobos of Mount apo, Mindanao. On July 5, 1904, I noted it on Mount apo at 7400 feet alletide; and, on July 6, 1904, I shot one on the Sement. This species feeds largel, upon a delicious huck Ceberry called Dung-ool by the Bagolo natives of Mount Opo; also losome extent upon the expious berries of the year (Styphelia), called Sah-eng by Bagobos: .

## Merula Thomassoni Scebohn. Olgorot name: Bull'-ett or Puhl-itt (Benguet). Augon, from July 20 to Rugust 3, 1904, this bisen brid was very common, not only in the oak woods but also whow the ground in ! .... Horghets fine. Gardens, where it's attetudes seninded us ren much of those of the American robin. Its sweet song is also very similarto that of our voline. a few were seen on Mount Santo Domas, Benguet Province, Luzon, from 6000 feet nearly up to the sumint on January 1, 1907. They were feed in on his ries in Longe D'. Longhorne phot me a specimine.

Merula mayonensis Mearus Mount Mayon Blackbird. Merula mayonensis Mearns, Philippine Journal Jeiner, Vol. II, No. 5, October, 1907, p. 358. Abour 4000 Set this species was common on the base of Mount Mayon, albay Province, Fuzon, June 5, 1907. It began singing before dayloreak, very sweetly. It was fairly numerous on the rocky sides of the lava flow by which ser ascended the mountain. It was found nearly up to the limit of vegetation, the grass your ending, on the side we ascended at 6200 feet, above which we saw no birds not even the bowlls and swifts that usually frequent the mountain peaks, as they probably dislike the gases arising from the erater at the summet Hirst mut with

(Sheet I.)

## Mixornis woodi Sharpe

My only specimen of Mis bird was collected an a nameless islet in Malampaya Dound, "Ext Palawan Island, Deptember 12, 1906. Iris orange. Note a checking pound. Inhabits Thickets.

Mixornis cagayanensis Guillem. Specimen ho. 14431, Ead., was collected on Cagayan Dulu Island, October 15, 1906, When several were in a tree loaded with vines in an afening near the house of the Collector of Customs.

(Sheet I.) Costerornie whiteheadi Strant. Koo (sele'-lee (2gorder of Benguet). a few were seen in the pines around Baguio is ingust Grovince Luzon, Dec. 1-12,1905; and it was abundant on Santo Tomas, a few miles distant, December 10, 1905, when I obtained revival ofecuneus. Up to 7000 feet on Mount Saulo Tomas, Benquet Province, Luzon, December 10, 1905. Mondant at Haightenin-the sala, Bouguet Province La zon, July 20 to august 3, 150%. Is format ecentra 24, 1906 to January H, 1907, a few were cally, in prines, at warmy John Hay; and it trapher and abandant at the opining at the foot of xhoule Jours (Peak gassending to the mountaintof (1) feet). From Bagino nearly down to Sublaan, Lugen, Maretis 19, 1907. Like the erossbill its range appears to les limited to the pines and oaks of ligher region.

( Sheet I.) Zosterornie Rapitalie (Twerddale). Between Coamp No. 6 and Ceamp No. 7 (mear Tipo Tipo)in the sinterior of Basilan Island, February 2, 1906.

Brachyfiteryx jvoliogyna Frant. Bee-do or Bee-doo (Degorates of Benquet). at Haight's-in-the-rocks, Benguet Province, Luzon, august 1, 1907, an Sgorole brought me a Semale (No. ) which he had snared on its nest. HE also brought the nest, which contained one egg, measuring 24 by 16.5 millimeters. Deneral color of egg grayish brown, ground color gray-brown, thickly and uniformly prucared with brown, obscuring the back ground color; great end nearly all brown. Nest outwardly of moss, lined with broad grass blades, exeleton leaves, and fine poollets. Ito measurements, taken at the line, are as follows: external diameter, 140 mm.; internal deaneter, 55 mm. external depth, 110 mm.; internal depth, 85 mm. Mat I have met with. One will dark a cross the trail and alight in one of the langles of brushwood and Sollen timber Matt it delights to inhabit. The instant lit alights it hops to a lower level where its flitting tail appears for an vislant like the parting therteh of a prairiedog's tail as it changes ends and salutes in desappearing wither its burrow. One ansaits in vain its reappearance; for the chances

(Sheet IL.) Brachypteryx poliogyna Frant. are largely in Lavor of its being far down the hillside inspecting the hollow of some decayed stump. Most of my specimens of this genus have been taken in small traps bailed for ma men als with a finch of outneal, usually placed in hollows of decayed trees or in cavilies among rocks. It is prepuseular, its owert, high notes shrilling up and down the scale at dusk, when it is much more aft to appear abroad than during the hours of sunshine. Except awing, I never saw one more ithan a yard above the ground, on which it runs at an amazing pace. Dingle birds were recasionally seen in heaps of fallen, mossy tember in the darkest parts of the oak woods, frequently on level ground, It's notes are sufficiently peculiar to altract attention. Its common call is a single sharp chip. In ascending Wet, Haloon, Mindoro, it was first met with, November 13,1906, at 3000 feet attitude, on a spur below lamp no. 5. It ran upon the ground like amouse Leveral were seen in the vicinity of team pro. 5, allelute 4500 feet, november 13-17, 1906 duite often seen at Complio. 6, attetude 6300 feet, Wit. Haleon, Windoro, Nov. 17-22, 1906. (Que was traffed in shrewing

Brachy pleryx poliogyna Frant. It was occasionally noted all along the trail made from Camp no. 6 (alletude 6300 feet) up to the summit of Mount Halcon, Jundoso, november 21 to 23,1906. It was seen very near the actual owner. One male (No. 14497), from Mount Halcon at 6300 feet, closely resembles males from Arisan, Benguet Province, Luzon, and differs only in being of a brighter and bluer coloration; but my bird was Killed November 18th, and Me Gregor's in June, which may account for the darker and Both hour the pame amount of white above the eye. See Grant's note on a semale collected in Mindoro by Whitehead, in Ibis, Oct., 1896, pp. 466 and 467. a proper comparison can be made with Drachypterys poliogyna of Luzon.

An adult male and an adult Jemale from the summit of Mt. Malindang, M.V. Mindando, are very much darker than specimens of B. poliogyna Grant, from Joisan Benguet Province, Luzon: The two oficies are very clearly distinct. The white concealed supraorbital spot is very much more restricted.

(Sheet I.) Orachypteryx mindanensis Mearns. Mount aho Shortwing. Boor-roo-wing or Loog-bah'-tong, Bagobos of Mount apo, Mindanas.

(Sheet 1.) Leonardina woodi Mearns. Bagobo Bird. Doo-roogh-bah'-tong, Bagobos of Todaya, on mount apo. The bird giving voice to such a prolonged gush of song at Camp Goodfellow, altitude 6000 feet on Mount Upo, in June and July, 1904, was called Doo-roogh-bahitong by the Bagobos who came up from Todaya; but I was unable to get a specimen at leauf Goodfellow, although its rong was heard daily. Durning the days spent with Datto Munguh at Jodaya, Joan one run aeross the trail, and set some mammal trass beside a fallentree, in which and was taken.

(Sheet I.) Isendotharrhaleus candatus Grant. Quek-puck or Such-sook (Agordes of Benguet). At Haights-in-Mu-vales, Benguet Province, Lugon, this bird inhabits the most intricale theirtes and darksome places in the alfine forests. It is more easily shot than Brachypterys, because it does not forsake its haunts when approached, and because its Vraspy chirp, followed by a low brill, is sontinually heard as the bird almost constantly moves about the intruder. I have sat for half on hour waiting for a shot; but so minbly does it run whon the ground and branches of its brushy home that it is as difficult to phoot of forest mound. It atters atters a loud, plear coing at rare intervals.

of the species of this genus there collected, was discovered in a mass of long, soft moss growing whom a tree-trunk, about I feet thom above the mossifiers at the afex of Mount Walindang, Mindanir. I sent this next which was empty, to the U.S. nat . mus. I It Haight's it lived in pairs in wooded, brushy ravines, where the

tree-trueks are Musikly povered with moss. It has a surently whistled some and a hard call note, always Keeping on or near the ground.

(Prendotharrhaleus griseipietis compared with (Sheet 11.) I sendotharrhaleus eandatus Frant. On adult male from Mount Malindary summit is widely different from two adult males from Irisan Benguet Province, Luzon, P. J., May 12 and 22, 1903. Collected by R. C. Mo Gregor and a. Celestino. Tabelled J. Randatus. Deneral evoloration more saturated. Upper parts more reddish. Sides of head browner ( less grayish). Chin and middle of throat less White, the feathers having darker central spots. Tray on middle of breast much more restricted, and heavily spotted with black on fore frast of chest. (These spots are entirely absent in P. candalus.) Median area of belly brownish white instead of gray. Flanks and crissum nearly as deep brown as the back. Compare with Semale type of P. griscifectis from Opo.

(Sheet I.) Seudotharrhaleus griseipectis Mearns. Dray-breasted Wood-accentor. Doo-roogh-bah'-tong, Bagobos of Mount apo, Mindanao.

- Gyononotus einereifrons Tweeddale. Noted from Bona Bona, on Dan Antomó Bay to a Tagbanoa village, 5 miles in the interior, last Polawan, October 17, 1906. Garang Parang, son Morn Mindanao, March 14, 1906.

Pycnonolus goiavier (Scopoli).

Very abundant at Suvao, southern Mindanao, July 184620, 1904.

Cotabata, southern Mindanao, July 23, 1904.

Sulag, east coast of Leight, July 25, 1906.

Hypoifetes Jugonsi's Grant. Hypsipetes Jugensia Grant, Bull. B. O. C. II, Jr. II, 1895. "We found it abundant on Juga Island, P. D., where it was noted as alsy and restless. Althing on a dry tof of tree, it utters a note like that of Coulopus virens; suddenly it takes to flight, at the same time pouring out a flood of vituperative notes as it seen to alently swoop upon a bough close to the human intruder whom its soletude and use him cautiously, suddenly to become alarmed and fly away with another succession of sereams. Mout the houses they were less shy. We shot five (5).

Heypsifetes batanensis Mearns.

Highsifetes batanensis Mearns, Philippine Journal
of Verience, Vol. II, October, 1907, p. 357.

His Bulbul is abundant and noisy everywhere
on Batan Island.

V Ot Dandakan, Borneo, Octobre 14, 1906, Isaw a bird which I suppose to have been Hippointes malaccensis Blyth.

(Sheef I.) Gerierocotus marchesãe Guilemardo. Miningt. Sulu Island, from Jolo to Maintein, Bud Dajo, Eraler Lake, and Diet Lake, March 1 and 2, 1906. Derierocotus

Minivet.

One noted at 1500 feed altitude on the slope of
Mount Mayon, Seguofi side, Albay Province, Luzon,
March 28, 190%.

(Sheet I,) Perierocotus Minivet. "(A yellowish bird, size and volor of & Dummer Tanager" was noted on the Agusan River, Umdanao, beliveren Jatura and Patrocino, May 7,1904.
Before I saw Mr. Japer on Goodfillow 10 last Opo collection, I wrote the following description:
Perierocotus mindanensis new openies. Liffer. - No. 14107, Mearus Pollection. adult Male Irom Catagan, Mt. Molindang, Mindanao, P. J. altetude 1100 Leet. 1906. Characters. - Dinilar to Perierocotus novus, but smaller, the wing measuring 6 millimeters less and the tail 10 millimeters less in length. Looky similar, but eolor of the orange areas poler and yellower, especially as to the rump, which locks the reddish shade Bill narrower (Type compared with an adult male, No. 2500, (Shilippine Museum collection, taken May 7,1903, at Frisan, Benguet Province, Luzon, P.J., by Richard Ce. Me Gregor and a. Celestino). Remarks. - Three opicineus were obtained at the type-locality: On immature male (No. 14182)

(Sheet H.) Perierocotus is similar to the female of Percerocolus novus Well. except that orange feathers are affearing on the breast, rump, upper tail-coverts, and tail, re= - placing the yellow feathering of the earlier plumage; and a few black feathers are showing among the yellow on the under side of the head, and on the dark gray of the upper side of the head. Fremale (No. 14097). - Possibly this is not a Jewale but a younger male and than the preceding , as some of the tail-feathers are shaded with orange , and there is an orange east to the breast and rump which are lacking in Luzon Jewales of P. novus; but there are no black feathers on under side of head. The mantle and upper side of head and neck are drab-gray, without pale edging to the feathers.

(Sheet I.) Serierocotus igneus Blyth. One Semale noted & Bona Bona, Dan Ontonio Bay, east Palawan, October 17,1906.

## Perierocotus Leytensis Steere

At Burengo, on the Catubing Plwer, north Samar, October 1,1906, I shot 4 from one tree -a male and 3 females. Two could not be found in the jungle. The male, which was lost, appeared to be of an intense orange color, nearly as firey orange as the Palawan ofecies, Occiocotus igneus (Blyth Specimens: Nos. 14328, 14329. (Shee 77) 477 Perierocotus einereus Lafr.

Marila I Bolancial Du, den, ang. 21,1704. - "Pair
of birds, size and shape of Mockingbrids. White outer.

Vail-feathers, voice of out; sit on tobograft wires daily.

(ang 17 to 21,1904, while I was in hospital.)

(Sheet I.)

## Edoliosoma mindanense (Iwerddale).

Specimen No. 13952 seems to be this species. It was lasten near Camp No. 2, interior of Basilan Island, Tebruary 14, 1906, when several were seen.

(Sheet I.) Malindangia megregori mearns Me Gregor's Conckoo-Shrike. Malindangia megregori Mearns, The Philippine Journal of Derever, II, No. 5, October, 1907, p. 355. Lyfe locality. - Mount Bliss, Malindang group (allebed) 5750 feet), northwestern Mindanao, Philippine Islands. Specimens of Malindangia megregori: -14130. Sad. May 15. Iris red. Bill black. Heet black, with render side of loss yellow. 239;340;113;117;19;23;20 14178. Bad. 14215. 3 ad. 236; 335; 110; 108; 19.5; 24; 21 14176, Ead. 240;342;111;112;19;23.5;21 14175 . Fad. 14235. Bad. 14248. fad. 14228. fad. 14229. Fad. 230;330;108;111;19;23;21 14177. Fim. 29. Fad. 36. Fad. 41. b.ad. 37 , Sad. 40. Fad. Sift parts of Nos. 14175-78: Iris reddish brown. Bill black throughout. Heet plumbrous-black with yellow soles.

Europias nigrimentalis (Sheet I.) Too-yuh'-rel (Igoroles of Benguit). Of pour ficuous, auret-voiced bird, often seen in Ale oak words at Haightla place, in our theme I de iquet, Luzon, from July 20 to Chaques & 3, 1907. One, brétevern Juin Peans and Colgans, reares Mr. Catter, In the Benquet hand, December 24, 1906. Horam Devember 24,1906, to January 4,1907, one was all mean Juin Peaks, one mean old Camp 10.4, on the Benguet Wagon Road, our near Count John Hay, and one at 1000 feet on Mount Dano Lomas, Benquet, Luga. The two Bonquet operanens hiers the ensum whete, not starned with buff, as in the 6 stlines from Ult. Halova, Mindora; otherwise they are similar, al lleough the Benguet akins are perhaps à brille paler blue. Cu more variful et comparison, I find aking in the collection of the Bureau of Joiener, from Fresau, Binquet, with buffy loving living & and cresseen, and also, one Halson 2Kin with white wing living and crissum. Therefore, the most one can say is that there is a tendence, to buffy wing lining and cressum in Haleon of enmens and to here white in those parts in openious from the Lizon highland 2; but individual variation loughletely, corrers and extenguishes this slight difference in both series."

(Sheet I.) Hypothymis superciliaris Shorpe. Wear Tabella, Basilan Island, Januari, ". Warm No. 3, Basilan Island, January 29.1966. Decemien No. 13934 collected on the Counalarang Odivir, sinterior of Basilan, February 1, 1906. Coamp No. 6 to Coamp No. 7 (near Tipo Sipo), in the interior of Basilan Island, February 2, 1906. Tipo Tipo to Camp No. 8, niterior of Basilan Island, Feb. 3, 1901. Camp No. 8 to La Mitan, north Basilan, February 4, 70% Toabella lo Camp No. 1, interior of Basilan Id., Feb. 13. 1906. Camp No. 1 to Camp No. 2, interior of Basilan Id., Feb. 14. 1906 Camp No. 2 to Camp No. 3 (at Tipu Tipu), Basilan Id., Feb. 15, 1906 Ceamp No. 5 to Comp No. 6, south Basilan, February 18, 1906. Mear Malusa, west Mindoro, February 19, 1706. Camp No. 7 to Camp No. 8, Basilan Island, February 20, 19 :0; specimen No. 13970 collected. Carup No. 8 to Carup No. 9 (Musser's), north Boselan, Feb. 21, 1906 (Jangpang, on Durnanguilas Bay, southern Mindanao, August 17,1906.

Cryftolopha nigrorum (Moseley). Pil-lee Hon (Igoroles of Benguet). numerous at the summit of Mount Santo Tomas, Benguet Province, Luzon, December 10, 1905. 3,1907, at Haightle in-the-ont's, northern Benguet, Luzon, This pretty little Alycatolier was the most abundant bird. Its what chee a- wip was worderinally repealed from the shrubbery or the high treetops; and its incovered activity made it conspicuous as well as abundant. It in gregarious , appearing in menubers with mexed flowers of Litmier, authorolos, silvereyes, ele., Mat oue so frequently meets in the oak woods of the Philippines. Monent Dando No mas, from 6000 feet up to the summit. "I can see no difference between these and there from Mr. Haleon, Mendoro." Luite numerous at Camp no. 4, on a spur of Ult. Haleon at the attitude of 4500 feet, nov. 13 to 17, 1906. Just, Int. Haleon flock seen at 6650 feet, nov- 25:19 Its note resembles that of a Pardaleharus elegans.

(Sheet 11 ) Eryptolopha nigrorum (mosely). It was observed, nov. 21 to 23, from Cample. 6, alletede 6300 feet up to the summit of Mount Haleon, Mindoro, altitude 9000 feet. Three specimens of Coryptolopha (Clbrornis ? Hodgs.) are smaller, much greener above, and yellower below than a series taken in Benguer Province, Luzon, during April and May; but the color difference may be seasonal. The Halcon series averages about 5 millimeters less in wing measurement. "Benguet ofecuneus taken later ( amory) are indistinguishable from these. Deleinens taken, in nundovo, at: Samp no. 5, altitude 4500 feet, Nov. 16; between Camp 6 and Camp 7, altitude 6650 feet, Nov. 25. The series from Mount Malindany, Mindanas. somewhat different from one apo specimen in the Bureau of Deience collection. The Malindang Deries should be compared with the aposeries in the usum. a Mount Halcon series of Confilolopha migroring is like 4 skins from Mt. Sto. Tomas, Benguet (Irovnice, Luzon Island.

Ceryptolopha mindanensis Hartert. Behr-riss-behr-riss, Bagobos of Mount apo, Mindanas. Cryptolopha mindanensis from Mount Copo, Mindanao should be compared with the series from Mount Malindang, Mindanao, Dee note under eard-sheet No.II, of Cryptologica migrorum.) All of the specimens of Coryptotopha should be compared together. There are veries from apox Malindang, Mindanao; Holcon, Mindoro; and Benguet Highlands of Luzon. De His", 1891, p. 47, pl. II, fig. I for descrition of to. migrorum. Hodgson has separated abrorus from teryptolopha. Me Dregor and Worcester have placed mindanensis in the genus Congitto to plea and myrorum under Abrornis. They acem to differ but slightly. Fook up the characters of the Jenus abromis. The Malindang series of 3 specimens may be separable from the Mount apolypical Co. mindanensis

## Bemichelidon ferruginea Hodgs. One shot, November 13, 1906, beside a house of

One shot, November 13,1906, beside a house of the Mangyanes, on a spur of Mount Halcon, Min= =doro, at the altitude of 3000 feet: It perched on low stieks, uttered a sharp call note, and continually fluttered its tail. Specimen no. 14475, are undetermined.

Terpsiphone nigra We Gregor. Mr. William Dorr Cosperiter shot one of these bords, when hunting toward the Yriaya Mountain, Batan Island, May 27, 1907; but the bird fell where it could not be recovered. Mr. Kiehant C. Mo Gregor oubsequently collected a good series of this opicies which he described Jerpsiphone migra Me Gregor, Philippine Journal of Decince, II, October, 1907, pp. 340, pls. I, II, and III. Seographical distribution. - Batan and Y'Ami islands.

## Pitta erythrogaster Demminer.

I collected two at 110-a feet allitude on the base of Mount Malindang, Mindanao; and Cahaplain Joseph Climens vollected it ut Camp Keithley (allitude 2200 feet), on Lake Lanao, in the interior of Mindanao.

Pitta atricapilla Lesson. (Sheet I.)

I collected one specimen at Zamboanga, Mindanao.

(Sheet I.) Darcophanops steerei Sharpe. Oo-ah-o'-ah, Jaeanes, of Basilan Island. Miles west of Camp Pantar, on the agus River, ni the interior of Mundanao. The bird was mean the ground, in a heavy forest; and, when shot, feld into a crevice covered with vines where I could not reach it. Deveral were seen, and a specimen collected (no. 13923), between comps 2 and 3, Basilan Island, January 29, 1906. Cumalarang River to Camp No. 6, interior of Basilan Island, February 1, 1906; called Oo-ah-o'-ah by the Moros and Jacanes of Basilan. Nos. 13 936 and 13937 were collected between Ceamp No. 6 and Ceamp No. 7, in the interior of Basilan Island, Feb. 2, 1906. Buli Buli River to Ceamp No. 5, south Baselon, Feb. 17,1906. Camp No. 5 to Camp No. 6, south Basilan, Feb. 18, 1906, when No. 13960 was collected. When Mc Dregor's Basilan Island collection arrived at Marila I noted: "All my Basilan skris of Sarcophanops were males. The female is pure white below."

(Sheet I.) Jungipieus leytensis Steere Several seen at Burengo, Catubig River, north & amar, October 1,1906, when No. 14,327, Ead, was collected.

(Sheet II.) Jungipieux ralidirostris Blyth. At Deale vel, Bojeader to Lavila, Hocos Norte, March 9, 1907. At 1 Baquio and Camp John Hay, Bunguet From ice, ( 1. 30m, 7 ceculo 124, 1906 to Maria 44, 1907, A was quite ith tetimor and other email birds, the recuiring of met wel arring flegt to wird to be set all the land. One shot on the Kongon Naujan Priver, eastern Mindoro, March 25, 1907.

Siga everetti Swerddale

Not meonimon at Milville, Balabak Island, October
16,1906, when No. 14442, 3 ad., was collected.

(Sheet I.)

The leococcy xanthorhynchus (Horsfield).

My only specimen was collected at Date Chib's place at 1100 feet elevation on the base of mount Malindang, northwestern Mindana.

It is identical with specimens collicted by Me D, agor at Suito-Princesa, Palawan; on the Reo Baco, Mindora; and at Isabella, Basilan Island.

(Sheet I.) Durnieulus Velutinus Charpe Hear Isabella, Basilan, January 26 puil 27, 1906 Camp No. 1 to Camp No. 2, west of Isabella, Basilan Island, January 28,19 11. Between Camp No- 3 and Coamp No. 4, northwest Basilan. , January 30, 1906. This openies is not uncommon in northwestern areas coveredby part of Basilan, living for the most part in second-growth timber.

Hieroeoegy efariroides (Vigors) Hidaway Near Padsan, Flores Norte Province, Luzon; January 17,1907, one flew from the bomboo Cahead and alighted in the road behind our callshing Comies. One on Faray Lake, Hocos north Province Luzon Hebruary 5, 1904 Luzon, its loud, 3 pyllable moter were heard at morning, evening, and occasionally Luring The night, uttered from the Tall pine lops.

Hierococcyx Jugax (Horsford). Hotel on Mer. Tubay Priver, northeastern Mindanao, April 24, 1904. (Agnoun Ruser, below Take Linao, Whidanao, Wilny? Wie between Dingras and Padsan Hoeas Work Province Lugar, January 17, 1907. An Mindoro, the only opecimen takenwas tro. 14535, Fad., near Dubaan, & seember 5.19... Mr. Herry My Hawk-like Conclor from Dan Roque, news Bamboanga is Hierococcyx Jugax. Sparveroides is quite different.

(Sheet III.) Caeomantis merulinus (Seopoli). Kay-uh-doo'-deen, Bagobos of Mount Upo, Mindanao. This Conckoo was almost continually whistling its Voodfellow, at 6000 feet on Met apro, June of Gaus Coffselus pacificies

Jeollected 9 on Batan Island, in the vicinity of
Santo Doningo de Basco, May 27,1907. Later W.

Me Gregor and Hts. Senor Celestino shot 3 more
of these swifts -a genus new to the Philippine Islands.

Very abundant. Nesting place not occu.

(Sheet VI.) Hydracorax mindanensis (Twenddole). abilitate above Todaya (4000 feet), Wount afro, Mindanao, June 17, 1904. In descending MA. Opo, Mindanao, July 10, 1904, it was first met with at the allitude of 4225 feet. Salicud Island, Sulf of Davao, of southern Mindanao, July 17, 1904. Davao, southern Mindanao, July 18 to 20, 1904.

Hydracovax hydracovax (Linuacus). Bued River Valley, above Twin Genks, Luzon, november 30 and Dec. 1, 13, and 14,1905. (Padsan, Floros Norte Province, Luzon, Danierry 1999) (14 Dwid Pears, Luzon, it was a ded 211. 13, 1406, 44 which suren a female was also said to be broading in a On desocuding by the frail from Baguio to Camp Wallace, Luzon, Harate 19, 1907, it was first heard at the lower border of the pine forest, abour Dablaan; and some uge seen at Sullain. Casiguran, cast coast of Luzon, June 1. 1907 Martle Coangon above dan vite and turnel, Rigal Province, Luzon, September 17, 1906.

Heydracocrap semigaleatus (Sweeddale).

Several flocus were peen, at Burengo and other points on the lower Catubig River, north Samar, October 1, 1906; its voice seemed exactly like that of He. mundamensis.

(Sheet VIII) East shore of Davao Guef, southern Mindanad, when efeci-= men no. 13494, Ead., was collected at the more town of Duling. Abundant at Jugulaya, on the west shore of Me Lely of Davas, June 14, 1704; when Hovernor Bolton shot ho. Tagulaya (sea level) to 1030 ful altitude on the trail to Wount Of o, southern Mindanco, June 15,1904. Taliend Faland, Gelf of Davao, off southern Mundanas, July 17, 1904. Davao, southern Mindanao, July 18 to 20, 1904. At Comp Overton, northern Ulmdanao, July 9,1906, flocks of Wood-Sunllows (artumus lencorhynchus) Chosed The Rollers, the latter masting a great outery and avoiding the Wood-Swallows.

(Sheet I.) athracoceros montani (Oust Oue Reen Alying on Dulu Island, near Bud Dajo Pear, October 11, 1906.

Boltopsittaeus lunulatus (Scopoli). De Sow seen at Naghartian, Hocos Norte Province Luzon, Heb. 15 2d Mar. 9, 1907; ofecimens taken Hebruary 23 and March 4.

Sanggnathus everetti Twerddale

In the museum of the Coolinge of Jaido Tomas, January 9, 1907, I noted as follows: 
"Janyanathus everetti. - Three operimens. To black of hots and very little yellow edging to feathers of shoulders and wing-coverts. Two are lural so as to conceal the rump; one shows a bright blue rump. (ohii, throat, and upper breast yellower than in J. Incionensis, Ix = cept in a young bird which is all green below. In these 3 mounted of cimens of J. waritti the tail is no yellower than in J. lucionensis."

(Sheet I.) Q'any gnathus In the nurseum of Santo Tomas College, Mainla, I noted: " a large parrol with huge, red bill, from Moluceas, is is somewhat like my Balet Island female specimen." Darangani Island, off pouthern Mindanao, January 23, 1906 (Houndant, January 23, 1906, on Balut Island, Darangani group. It ranged from sea level up to the summit of the main ridge of mountains at 2000 feet level. Moved about in small flocks attering loud sereams. Surral were Is hot but only one of the dead birds could be recovered: No. 13893, fad. Balut Toland, January 23, 1906. Measurements from fresh spermen: 425;770;260 ; 160; 49; 25; 40 millimeters. Bill red. Fris pale ijellow. On October 8, 1906, I again spent a day on I salut Island. This large, red-billed, blue-rumped The root was again the special object of pursuit. Two were wounded, but none brought to bag. the bird screams loudly as it flies over the treetops. It is very pluj. When followed it junes to re worted to the tablest trees, where it was almost beyond the range of shot added to this, the bijuca jungle made it defficult to get through the Annale forest or to see the brids.

new to the Philippines. It is too large for Tanygnathus exerciti and.

yellower below."

On (Palmas Voland, Pannary 21, 1906, we 2 and two hawks about the size of Cooper's, with somewhat shorter tail, and heavily cross-barred be low. They were quite shy. Both were shot at and wounded, but neither was secured. Thave seen a colored figure of this hawk in Meyer and Wigglesworth, a Birds of the Celobes.

On my second visit to Palmas, none were seen, although the whole island was ransacked in search of the ... Sarangani group, at 1500 feet attitude, on Balut Island, January 23,1906, I shot at a dark-colored howk, heavily cross-barred below, size of the American Broadwing.

(Sheet XVI.) Camp Overton, northern Mindanao, May 7, 1906.

(Sheet IV.) Delornis holosfilus (Vigors). Del- Koop ; Victipines of Jamboanga, fide Estrellas. At Anding, on the east shore of the XInt of Davas, June 12, 1904, I shot one of a pair: No. 13492, Fad. Ivis, mastax, and tomia, chrome yellow. Bill plumbrous, black attip. ( feel yellow; claws black. Measurements: 540; 1135; 360; 255; culmen and cere together, 35; culmen (chord), 25; larsus, 80; middle for with its claw, 55. On Salikade Island, Sulf of Davao, July 17, 1904, this hawk eintermally fleer above the treetops uttering on exaggeration of the ery of our Contopus vereus.

Same vegae Palmén

October 9, 1906, a block gull with soway under
parts and a white line over the eye, size of Larus
argentatus, Stoated past on a bit of wood. I shot
at it, and noted, as it flew that its wings were narrow.

( Sheet XY.) Mediastur intermeduis Durney. (Xanan, Tagalis of Luzon. Maragnina River, Dan Mateo, and Marble Campon, Higal. Province, Xuzon, Deplember 17, 1906. Marila, Pasio, Jaylay, and Chelipolo, Rojal, Luzon, Seft. 21,1906. At & Count Dreyg, Pangasinan Province, Luzon, Linuteriant Charles M. Maigne, 7th Coavalry, U.D. (Cruny, noted, (luguest 16, 1905: "Ciliso, lo-day is warnes of locusts came in, and following them were seven or eight big brids with white heads, of the howkor eagle family." Duling, part shore of Davas Gulf, southern Mindanas, June 12, 1904-Davas, Jouthen Mindanas, June 13, 1904. Tagulaya, west shore of Dava & Sulf, southern Mindana, June 14, 1904. Tagulaya to Looncahling, Ut. Opo, Vonthern Mundanas June 15,1904 Dava o, Douthern Mindanas, July 18 and 19,19011. Colabato, southern Mindanas, July 23, 1904. Europ Overton, northern Mindanao, July 9, 1906. Abundant own the harbor at Ceebu, Ceebu Island, July 10,1906. County Connell (Calbayog), western Samar, July 12,1906. Muniberslined Mainla Harbor, July 15 to 18, 1906. Many about the Shipping in Mariveles Harbor, Luzon, July 19,1906. Cff Ploilo, Panny Deland, July 23, 1906. Taeloban, Leyte Island, July 24, 1906.

(Sheet 111) Notamis eurhimus Oberholser Maclan I sland, off east coast of looks I land, September 3,1966. Totanus

April 22 and 23,1904— In Slocks, pairs, and Singley. Legs and Jeet greenish olive. Dize of Willet. One shot lon, Coapt. Mo Coy or Lout. Leavenbush. Not skinned.

(c) pril 22 and 33,1904.) Tubay Knin, n. Minidanso.

(l) Tolanus was seen in great numbers on the ohoras and soral reefs surrounding three small wooded islets off the south end of Dibutu Island, Jan- many 5, 1906. Dec specime.

The same sicrics as a "over was seen on Loran Soland (off Wian Island), October 12, 1906; one.

(Muc phot-on Conjonsland, Dulu Sea, September 10, 1906.

(Sheet VIII.) Rambourga, Midano, December 11 and 12, 1906 Mainbun and Diet Lake Beach, Dula Island, Waret land 2, 1906, , (Doray's Camp 4,) west evant of Basilan Island, March 3,1906. Malabang, pouthern Mindanao, March 15,1906. Pangfung, Dumanguilas Bay, southern Mindanao, August 17,1906. Cabo Voland, Segat Bay off D. Unidanao, Offil 2, 1906 San Rumen and Charla wester Hendana Come 127, poor Mailan Valand, Fit the inst weart of to bu Island, Deflute 3,1906. Comploon neit, west coast of Damar Island, September 3,1906. Common, Istat, on longo Islam, Suin Dea, Seitemen 10,1406. Probled Brucesa, out coast of Videwan Island, Suplemen 11, 1966. the the part court of Polacion Island, Deplember 12,1906 Culion, Calamian Valand, Deplember 13,1906. aboundant on all waters bottom Mariela and city reservoir at the Marbie tourgen, Luzon Is Card, Deplomber 17,1906. Daytay and Centifolo, Frizal Province, Luzon, September 21,1706 One on Taliend Island, Wilf of avar, Mindanao, July 17, 1904

(Sheet I.) Calidris alba (Pallas). Specimen No. 14423, Fad., was found among the waders brought aboard the ship by Leveral Woods party, From Turnindao Island (off Setanki Id.), S. Phelipuis, October 13, 1906. This skin is like one from the Malabon River, Luzon Island.

(Sheet I.) Tringa erassirostris J. and D. Arom Turindao Island, of Sitanki Island, October 13, 1906, was specimien No. 14422, Gad., shot by Loveral Wood. At the Bureau of Science, manila, I noted: "No. 14442 is, apparently, Tringa crassirostris."

Left in the Bureau of Science: No. 14422.

(Sheet ].) Neteropygia acuminata (Vicillet). Dringa acuminata Vicillet, I few were ocen on the brack at Santor Donings de Joanes, Batan Island, P. S., Tilay 27, 1904, 740to, when my Llocano boy, Cariaco, shot one, but laid it on a bank where a native got it during his absence. Dagupan. du M. Museum of Sail andomas Pollege, Maniela, Down as openinen kalelled "Manila." This is the brid Joan, shot by Xint. , it Dayupan, Pangasanan Province, Luzon,

? (Inalaropus hyperboreus (Linnaeus). Note - Doubtless the same species that d'afterwards collected in Basilan Strait, of Zamboanga, Mendanao. Dei specimens for determination. Noted in instruous floors off the mouth of the Agus an River, northern Mindanao, april 22, 1904. On the Tubay Kwir, northern Mindanao, April 22 and 23, 1904, noted in flocks of all sizes, probably up to 500. Drugle lends dwar within a few yards of our boats, on Opril 23, during the hurricane. On the Colobes Sea, off southern Ulindanas, Losturian the Sarangani Valanda and Jamboanga, January 24,19.06, many good-sezed floors of ( I halaropes were floating on the smooth sea or making whort flights. (on the cust win of the Dulu Lea, between Mindanao Colon islands, Defetember 2,1906, I raw flor ks of. phularopes fivaling on the water.

Antigone sharpei Blant This ofecies has been soon by Un. F.D. Burdett, at agraga, about 5 miles from naghartian, in Flows North Province Lugon. It is well known to the natures tung-teung is the Hocano name. First- Dintenant Karlin L. Whitson, 9th. Infanter, sistermed me that he had sound this bird near the freeblood Lopez, 32 sinles East of Jayaba 2 and 25 miles west of Guinayangan, Luzon Island.

Ardea Dermatrana Rufiles (Sheet I.) Many of there huge herous were seen on the sandy shows of three small coral islands, off the south and of Dibuter Island, January 5, 1906. Ut low tide the wandered for miles aber the evral reefs Quandrica these polaries Many of these imposing herons were seen wading over the coral reefs surrounding Sitanki Island, October 13, 1906. (On Turnindao Island (off Detanki Island) this huge heron was abundant, October 13, 1906, when General Wood procured the openium preserved No. 14425, Gad.) with a small-calibre refle. Bangar to Balambing (Tawi Tawi Island) Jan. 6, 1906, any seen. ivizany seen. Common at Dibutu Fown, & west coast of Sibutu Island, January 7, 1906, when General Wood shot the fine male specimen preserved in the collection, at long range, with a small-ealibre rifle. Several seen on Dimalu Island, off Jawi Jawi Island, January 8, 1906. One was shot on Malampaya Dound by " Townal Leonard Wood, Deptember 12, 1906.

Butorides javanica (Horsfield). Noted at Camp Overton, Mindanao, July 9, 1906.

(Sheet T.)
(Dutorides / spodiogaster (Sharpe). Butorides spodiogaster Mearne, Philippine Hourn. Sei. II., October, 1907, p. 353 ("On a ma mélior-iolit in Malampaya Sound of the Island of Polawan, I shot an adultsomale of this heron, Deptember 12, 1906. This specimen is No. 14319 of the authors & collection. "). Palawan Island, Deplember 12, 1906

(Sheet I.) Butorides amurensis Sohrenck. Abundant, March 25, 1907, on Lake Naujan and on the Naujan River, Mindoro, where Butonides Javanica was even more abundant. The two speaks eould readily be contradistinguished, in flight, by the spuch larger size of Butorides anurensis. Leveral seen, one shot, on the Benibi (Kiver, Mundovo, Nov. 3 and 4, 1906. abundant on the alag Kira, Mindoro, Nov. 5-8, 1906. Sometimes oby, sometimes stupidly tame. Dits on rocks in the straum and on the shores, atching tadpoles and fish. Hier into the forest and hides when frightened. note like the alarme cry of the Mindoro monsey, resembling the note of our Butondes vivescens. islet of Malampaya Dound, off west Palawan, Deptember 12.1906 Deptember 12, 1906.

(Sheet 1.) Nannoems enythmus (Swinhor). (I soldier brought me an adult female of this aprice rifle. It was killed a few miles east L'ambounga, Mindanav, Le mucher of Zonophaps policeophala were also brought in at the same Time, so I did not find Time to okin the very bad specimen of Name ones curythmus Which was the only one I saw.

(Sheet I.)

## Dondroeggna guttulata Wallace.

Liet Lake, Dulu Island, contamied a great many ducks, some of which may have beau of this of ecies, as I found a flook of 4 a sloop, on logs in a shallow lagoon in the forest adjoining Dect Lake Beach, March 2, 1906, and plat 3, 2 of which were preserved (No. 13991 Bad and 13992, God). Three were shot on a moust on the west side of Basilan Island, March 3, 1906, when a primiter to 13993, Bad, was preserved.

No. 14002, Gad, was preserved.

March 17, 1906. was file of Doggy sound tothe of lands.

a red head or pochard was quite numerous on Paray Lake, Hocos North Province, Luzon, January 27 and February 5,1907: "Dwells with red heads and sawas backs were seen in members; one phot, not recovered."

(Sheet I.) Mareca fenelope (Linnaeus) Willgeon There were many Widgeon on Paray Lake, Thous Hote (Fromier, Leizon, Jamany 27, 1907, when I shot a female Lake, February 5, 1907.

Safila acuta (Sinnacus),

On Februaryes, 1907, three were soon thy nig logetter,
on Paray Lake, Glose's noise Province ; Lugar.

natula celypeata (Tinnacus). Hocks of Shovellers were seen on Paraglalle Floces Morte Province, Luzon, January 27,1990. Sovery Joeks Bon Hebridary 5,

Huligula Juliqula (Linnasus), Latie, Hocox Norte Province Luzon January 27, 1907, when I were shot by Caplain Hahlrum and my self We were surprised by the laweness of this spirit There were many good-sized flooks on Pavay Lake, Hebruary 3, 1907

Plotus metano jaster (Gennant).

One in a tree at the month of the River I rande, southern

Mindanao, March 15, 1906.

Month of Mataling River, near Malabang, southern

Mindanad, March 15, 1906; two seen.

Cheet I.) Phalaerocorax carbo (Dinnaeus). Birds supposed to be this species were noted on the Det Celebrs Dea, off south rundanas, October 9,1906. They were floating on logs at some distance of rom the ship.

Astur Trivirgatus (Demininek). Jaw one at, Manila, Luza. March 24, 1907. I shot one of two seen on Corregidor Island, off Manila Bay, December 16, 1906.
" Order trivingatus was the Hawk I shot on Corregidor Deland, December 16,1906." (note based an comparison with mounted specimen in the Museum of Santo Tomas Collège, Manile.)

Commander Frederick W. Parido seen in the arrary of Contain Confin, U. D. Mary, at Pollok Maral Station, Mindanao, P. J. ( March 2, 1904.) 12 L'endrorygna (arcuata?)" (l'ato del monte." 1 / But bulerex coromanders with soffrom plumes. V & Porphyrio pulvarulentus 1 Cacatua harmatuspygia 1 Tanyonathus luconensis 114 Forceulus apicalis 1/ Butorides javanica 1 / Pyenonotus goiavier These lounds were all brought in by Thoromations from the minediate vicinity of Packers, Windowar.

time did

Sucreme, Charles 20, 1904. 11. Bad. Megaturus palustres. 13843, Jahm - De. Red-breasted Sembiral 3ad 13344. 13345. Ring-necked Dove. fad. 13346. Brown - breasted Thrush . - al. . Dinagat Island, 20 m. n. of Sungar. april 21,1904. 13347, Ramerow Sad. 13348. Red-breasted Barbet Sail. 13349. Black- Heroated Sumbild Gad. Sungao. april 21, 1904. 13350. Lank & ad. 13351, Curlew 3 ad. Tubay, Mindanao, P.D. april 22, 1904 13352. Largest Honey Creeper. Fad. Habon got Lake Spongan, N. Uludanoo, P.J. Ops. 24,1904 13353 Red-breasted Sumbrind 3 ad. 13354. Black of hisoated a 7 fill. 13355 authus On Tubay River between Lake Sapongan and the town of Santiago, april 24, 1904. 13356. Hyprothymis, Blue My catcher. Sad. Bill and feet blue 13357. Traked - headed Starling. Fad. Oviposeting. P.J. Ops. 24. Tubay River, below Dantiego, Mind., P.J. Ops. 24. 13358. Blue-and-chestnut Knigficher. Fad. 13359. 13360. Whate-header! Santison Lubay River, 711. in. P.D. 13361. Raquet - tailed Parrot. In captivity. Surigar, Mindanav, P. J. april 25 13362. Hypothymis 13 363. Little Paltriparus-like / caldichheaded bird Orther mus 13364. SRed-bellied Bailock Dicacum papuense.

19365 Blue-pringer Paraguet. 19366. Little red-and-green Paraquet. Fad. 14367, Dreat White Egretandia, 19367, Butorides Lact. When aqueen River, Mind., P. J. May 6,1904, 19369, Rangeow fad. Jativa, When agus an R. afrit?!
19369 Batrocino, when agus an Ring fisher ina 27,1904 Ovi fositing.
Patrocino, when agus an Ring in the Shot by Tue Con Ins hale
Treat White Heron Fad. Shot by Tue Con Ins hale 19370 gellow, almost white, Bill yellow. Legs and Leet Juriplish black: May 8, 1904. Varicela, Vipper Olgusan Revis, Mindanao, P. D. 19371. Tittle black-and-white Krigfisher. Ead. I hot by Captille. Coy, on the agusen River, a chort distance below Lote Dagum, Mindanay P. D. Man, 9,1904. In Jark brown. Sill black. Soes, 2-1=3. Heet vermillion; claws

Mummala. Josephy July 13, 1908, - In Batangas Bay off

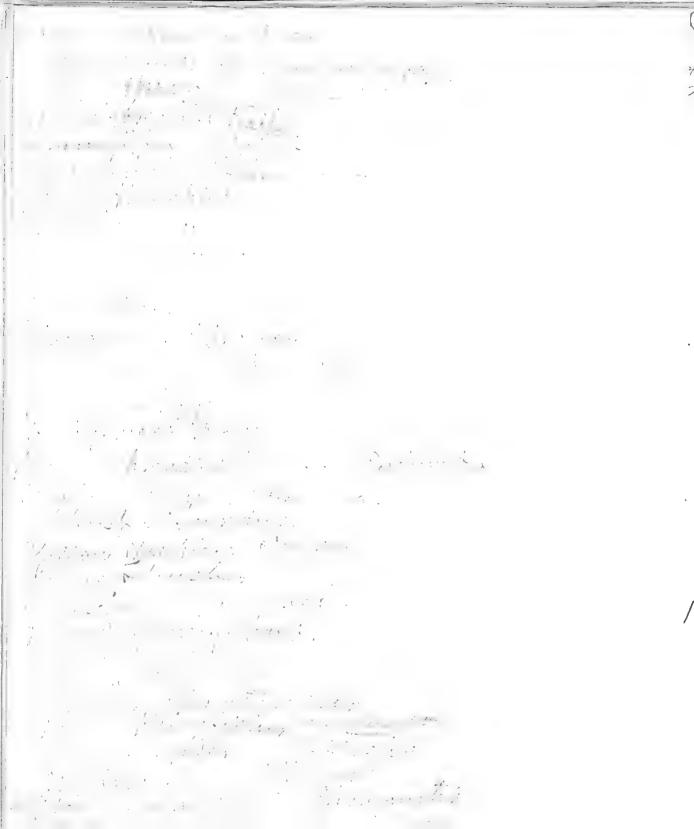
In un arm of the Suly Sea of Aligan Bay, n. Mindanao, July 4, 1906, I Daw a large Shark; dorral fin far above water; as the ship passed near, its fluxe also appeared above the surface; color brown. July 13, 1906, one large Shark was noted. arm of the Sulu Sea, May 7, 1906, I saw a large Shark that swam a long distance with its dorsal fin projected high above the water, but it soon fell astern. May 8, 1906. - Left Comp Ovidon for Misamis, Mendanao on a sleam launch. Hlying fishes very stout and large.

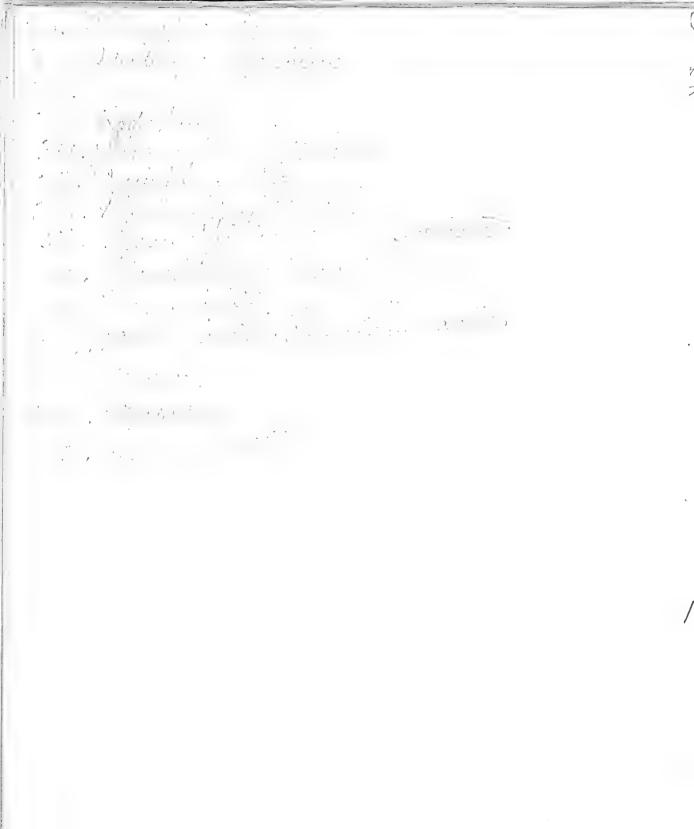
(I list of the linds of Seassi Island, P. J. Jurnished 10. J. Caplani J. L. Dmith, 17th Infantry, Usarry, 1. Corone philippina Bonaparte. 12. White Parrot, Cacatur haematuropygia (P. L.S. Miller). 13 Dreen " . Jampynathers 14. Parastect. Soriculus Conapartei 13 Souanec. 15. Turtle-dove Burtur dussumieri (Temminek). 16. Wild Progeon that is brown linged with green," VI, White ", ele. "Ilyristicivora bicolor (Soopoli). . 8. Suipe. Dallingaof "Bangau" | Moro names of "two birds that live 10. "Sambal") in the grass. 11. Small Brown Hiron. ardella 11). Large White " Bubuleus or Herodia's. 13. Chiesten Hawk. ? Haliastur intermeduis Gurney.
14. "Engle (Mune Kinds, the largest bring Muoun bij the
name of manarel" (Haliacetus Cureogaster Dimelin).
Haliastur intermeduis Gurney.
13. Sea Sull = Sterna bergie. Motal 17 Species 

a dist of the Birds of Siassi: Diven by Worecaler and Idournes in 1898: 7. Pempheron vernance (Linnacus). 32. Luster dusonmeeri (Deminiere). 242. Centropus vividis (Scopoli) 294 Calornie panagensis (Scopoli). 365. Dieaeum hypoteneum Sharpe. 497 Rhipidura migritorquis Vigors. Detected be, Captain J. L. Smith, 17th Infantry, usarmy: Birds collected and Cagangon Sula Island, P.J. 13364, 13391. Amaurornis Munia jagori 1/3366, V/3375, V/3388, Calornis panagensis. V13365 Bindytes yellon wide tes Lyray x Solitary Sattler Janganathur lucionensis 13369 Anthrothreptes etilorogaster 13370, 113376 Firedles galqueles (Ljimans). 1/3372 113397 Tringoides hypolenens v 13372, 13373.
Tallocalia francica inexpediata
Tale-runufed Duriff: 13377, 13378; 13379, 13380. Correns aeruginosus . 13382 Cahibea Dierur sulvensia 4/3386 Bulastur virdica V13386 Warpophaga pielleringe 113387 Loriculus galgulus (Lin. 1. v 13393 Hirundo Javanica ×/3389 (Entered on eard sheets under species.) 18 species and 29 spe Time: February 25 and 26, 1904.

Sulu, P. I., before our visit: 1. Carpophaga fiesteringi Cassin 2. archaria unterpres (Limaeus). 3. Imigoides hypoleneus (Linnaeus). 4. Demisgretta saera (Gruelin). 5. Butastur indicas (Inclin). 6. Curystonus orientalis (Linnacus). 7. Haleyon chloris (Boddaert). 8. Tanyquathus luconensis (Linnaeus). 9. Calornis panayensis (Scopoli.). 10. Anthothreptes malacensis (Scopoli). 11. (chibia borneusis Sharpe. 12. Orthotomus vinerascens Blogthe. 13. Mixornis laganensis Luillemand. 14. Lalage terat (Boddacrt). 15. Arrundo javanica Sparrman

Of Hole Ped on his





Five Moro tribes: 1 Sulu 4 magindanaw 2 Damal 5- Malanaw. 3 Garlan Their languages are named the same. 1. The Sulus inhabit the island of Sulu, and the Parger islands of the Sulu archifulago. 2. The Samals have settled throughout the whole Sule archipelago and along the coasts of Basilan and the peninsula of Zamboanga. 3. The Yakans inhabit the interior and coasts of Basilan and a few small adjacent islands. 4. The Magindanaws inhabit l'obtabato and the whole Rio Strande Valley, and the southern coast of the Island of Ulin = danas from the Bay of Sibilgary to Sarangahi Point. 5. The Malanaw inhabit the Lando District, principally the region seer= = rounding Lake No.

The Sulus ruled the enteri Sulu Orchipelago and Basilan and held both Samals and Yakans under com:
- plete control for more than four centuries. Hor this receson, the Samuels and Jakans understand and write Sulve. Histore the Sulus, Samals, and Yakans understand one language - Sille. The Magindanaws and Malanaws are so closely related that adults of either tribe can write both dialects and understand each other without much difficulty, In this way, two lan= - guages - Sulu and Magindanaw serve perfectly well for all five Moro tribes. Mr. N.M. Saleeby, Superintendent Schools, has prepared for use in the Jublic schools of the Moro Province, the Moro Province, in Magindanaw, for the use of the children

moro names furnished by a Zeanbourga Moro named = Bah'-bo (Basilan Moro). Parel = Ah' 5634 Basilan Squirrel - Bah'-bo (Basilan Moro). 13129. Crake - Su-roo - car-ree. This brider, name in Moro is Poo-gar-rin! Brits, nest like limpedonax = 13221. Starling BlK = Man-da-shong 13245, Rifle Bird - Tag-tose. 13289. Short-Tailed Abrundo - Man-oak-man-oak Val-le-o. 13170 Smalldank Swift - Pel-thick- pel-hick. 13190 White-headed Chat = 'Sow'- fret. 13276. Glossy Sunbrid (Cagayan) = Val-lu-gus-lai-gus. 13244 Hair-boek = Po'- fee Tal'-oon. 13176. Bek-th. Sunbird = Ees-ta'-gua-lu-gus-lu-gus. 13197. Common Bee-Eater = Yorn-pee'-lik-pee'-lik. 13164 Rock Florish - anak-toll-tor 13185. Ruig-neel ( - Ca-bong-i-bong-i Ta'-na. 13163. Yellow-eyelid Chat - Man-oak-man-oak Ba'-si-lan. Be'-lu 1320. Frairy Bluebird = " " " Be'-la. 13167 Brown-breasted Thrush = Beag-pee-tow, 13234. Rujflover - Man-oak - man-oak Sa-ba'-la. 13299. Black (Barbet??): ah-seen 13193 Dusky " - ". Theh-ly(= brig ah-seen). 13198 Hovert Ramerow (Basilon) = Qu-how. 13128) Sea Eagle = Sahm-bu-lain. 13154. Jumbodyn Ramerow - Ku-how De'-Ky.

Dreen Parrot (13 269) Basilan more tong'- og. Zombourga " ah -gop. Little green and red Poroquet = Colé-le-le-se (all russes) 13224. Ceverlator (13237) - Bor-Ki (moro). Spoon-tailed Parrot = Kale-let [Moro] 13238. 13214 m, lute-headed Hawk = Bell'-eh. 13202 Marsh Harrier = Log'-dail Jog tul (Moro). 13257. Kite = King'-oh. 13247. aluer = (Sa-bo-guk. 13297 Ong - branted green Pagion - Joseph' - mo 13212 Red-beened "= Bahm-ass'-su Bowd 13261 White "Bowd. 13262. Pronze Pigeon = Doon-doo'-may. 13199. Big Woodpecker = Sahm-boo-la-tu (Basilan). 13165. Rod 13165. Red 13315 White-browned Door = Mahn-ah'-tad. 13158. Brown Shrike = Ken-das. 13302. Long-tailed " = E Kah-bong-iy-bong-ey. 13169. Bekt white " & Kuhl-lu-l 13159 " " Jah-long- Rack-Ki. 13314. Blue + White Knigfisher = Joo - sick. 13210. Oriole ? ] = Tin-tee-hee-Co. 13181. Swallow Shrite = Tee-glah'-pass. 13241. White - headed Kuppisher = Bah-ga'-Ka. 13323. Parieted Sreife = Prin'-ping-ega'-rong. 13130. Orunge-legged Tattler = Prin'-fing. 13268 Doletary " = Tao'-hik. 13271. Irringoides = Pin-Jung Dick-ey-dick-ey. 13309. Brown Heron = Sah-ling-quo-quaese" 13139. Sandpiper = P. in'-pung Too-hick 13145. Rungflorz = " "Sal-long. 13266. Brown Java Sparrow = Mry'-yah. 13135 gray " = my'-yah-Val-oon 13239. Butorides \_ - = Dao'- oong. 13246. Little gray Heron = Bog-go. 13207. Stema bergin - Tah-la-ta'-la. 13264. White-breasted Kuil = Dar-su'-la.

V Kittle gjørg Rail. Kah-1/c-ca-sw-la.

V Browninged facuna. Charathin-ch Lin-ge'-sochen.

V Black- com

Bah-Ku-Ku-low-ey. r Red and Dreen Barbard. If when-neing ("Inin" sours we he has seen this brid in Basilon Id.) V Horned Grand Crake. Kahr-rong.

V Blue Book Manish (female) on Camplicars). 100'-ey.,

V with Brown Heron. Mah'-nas. V Carabao-Bird (Heron). In-la'-boong. V Marrow-Taild Jack snife. Hate - stas. Ku-ra Ku-ra. Minafra Lank. Day'-om-par-ong. Budytes . Jahny-Koo-at 1600-at. Carabao, Jahn'-dook. Krife: Jah-goo'- bon. Handle partl, of Cambao horn. Home Basilan Moros (Sahm'-ma-ha'-Kan). 5 peros.

Birds of Talmas Voland, P.D. On January 21, 1906, the following: The nativiz stated positivily that there were no small indigenous birds." (mearus, notes) "No little birds and no Kingfishers were known to inhabit the island." (Means, notes) ni a marshy jungle by major David S. Stanley, Quartermasters Department, US army. (Mearno, no.) Species seen .-(1)2 Hawks, species not determined. Can be identified. from colored plate in Meyer and Wigglesworth's I Berds of the Celebra. (2) Eudynamis mindanensis. "Whenever the guns were fired the Koels would seream. L'eollected a femble." No. 13887. Stomach areled with green fruit, only, his red. Jestroles funce tionally enlarged. Note the some as the Winter. Vic. (3/Muscadwores langhornei Dixty (60) were brought aboard the ship. Hour skims were preserved. Speermens: 13888 3ad. Bill hale bluste gray at tip, larker plumbrous at base. Init red. 13889 Bad. 430; 750; 240; 160; 20; 34; 49. Engelied and feet vinaceous 13890 Fad. 420; 735; 240; 156; 20; 32; 46. Bare space aurrounding eye pale plumbrous! 13891 Fad Colours dusky purplish 13892 \ not skinned. Junuary 21.16.

(Sheet IT.) OBirds of Salmas Island, P. J. Gu October 7, 1906, the following: Landed at Palmas Island at 80.74, and relusued to the slip ("Midanao") at moon, for luncheon. Veneral Wood shot: -1 Otomela lucionensis 2 Haleyon chloris 1 Cendynamis mindaneuses Dr. Paul Co. Hreer shot: 1 Endynamis mindanensis 3 Muscadivores langhornei Captain Jumes K. Thompson shot: -2 Eudynamis mindanensis 2 Museadivores laughornei Dr. Mearns shot: -1 Otomela lucionensia 1 teollocalia whiteheadi 1 Heanthopneuste borralis 1 Hemichelidon griscisticta 2 Haleyon chloris 2 Hirundo rustica gutturalis During the formoon, the following additional birds were seen: Bubuleus coromandus. - Hlock of about 12. Petrophila manilla. - One. Haleo peregranes. One or two. Demiegretta Daera. - One. (continued on Sheet-III.)

Wirds of Palmas Island, F. J. (Sheet III.) Numerius variegatus. - Heree. Deneral Wood saw a large flock of shore birds. Went ashore, for two hours, in the afternoon, and and the following birds: -Hregata - Two, togettur, soaring over the native village. Hiriundo rustica gutturalis .- Hundredo flitting about Budytes flavus leneostriatus. - Just us we were embarking a floor of about 30 passedover from the North. Haleo peregruns. - One. Specimens collected on Palmas Asland, Celober 7, 1906: 14385. Endynamis midanensis 3 ad. Captain Thompson 14386.

14387. " Freer " Paul C. Freer 14389. Otomela lucionensis 9 General Wood. 14390. " 14391. Henrichelidon griserstieta Fad. do. 14392. Hirundo rushen gulluralis. Bad. do 14393. " " " " 3 14394. Ce ollocalia whiteheadi . 3 ad. do 14395. Acanthopneuste borralis. Fad. do Colombin 14396. Mus cadivore a Justieringi & ad. Dr. Paul C. Fren, dark. 14397. Haleyon chloris fad. General Wood.

List of the Birds Joundon Palmas Island. Muscadivores in ... I me it (not identified). Large flock of shore birds seen by General Wood (species not identified). Mumerius variegatus Demiegretta paera Bubulous coromandus Halco peregrinus Haloyou enlores Collercalia .... Endynamio mindanensis Hirmudo rustica gutturalis HEmichelidon griscisticta Hearithopneuste borealis Otomela lucionensis Budite Lavastrialus Petrophila manilla 

Birds of Sarangani Island, P.D. at 9:30 am., January 23, 1906, landed at the Belanes' village of Tumanao, in a beautiful harbor of Sarangani Island, off southern Mindanao. Birds Leen: 1. Dicacum papuense . 2. to acatica hacmaturopiggia 3. Tanyquathus lucionensis 4. Sany gnathus 5. Cennyris jugularis 6. Virmenius variegatus (one shot). 7. It hipidura nigritorquis 8. Haleyon phloris 9. Haliastur intermedius 10 (Pandion haliaëtus 11. Corone philippina 12 Hirundo javanica 13. Turtur dussumieri 14 Denniegretta paera 15. Charadrius Lulvus A day break, actober 8, 1906, we visited (Palicu and Tumanao, on Sarangani Island, P. J. The birds seen on that Island were as soilou 1. Numerius variegalus 2. actitis hypolencos 3. Pontoactus lencogaster. 4. Haliastur intermedius Corone philippina Oriolus chininais

Birds of Balut Island, Sarangani group. Brida moted Wetober 8,1906:-1. (Phapitreron brevirostris 2. Muscadivores aenea 3. Ochthodroning (su operanis on 14341) 4. Numerius variegalus 5. Actitis hypoleneos 6. Pontoiaetus lencogaster 7. Clary gnathus lucionensis 8. Canygnathus 9. L'orienlus (upicales?). 10. Eurystonus orientalis 11. Pelargopsis gigantea v 12. Haleyon chloris 13. Endynamis mindanensis 14. Centropus Viridis 15. Hirmido rustica gutturalis 16. Pole Milippensis 17. Pyenonotus goiavier 18. Macronous, nundamensis 19. Motacilla boarula melanope 20. Corone philippina 2. Orthotomus

A that welentles when whom is all of the

Brids of Balut Island (Sarangani group). Sheet I.) 1 Birds moted January 23, 1906: 1. Sterna bergii boreotis 2. Numenius variegatus 3. Sallus gallus 4. Muscadivores ainea 5. Myristicivora bicolor 6. Pontone tus lencogaster 7. Haliastur intermedius 8. Nours sign of Brown leaving, he 9. Prioniturus (diseurus2). 10 Jany quattius lucionensis 11. Jany gnathus 12. Lorienlus (apicalis?). 13, Cumptonus orientalis 14. Plargopsis gigantea 15- Haleyon chloris 16. HEmichelidon griscistica 17 Condynamis mindanensis 18. Petrophila manilla 19 (Ponthornis 20 Orthotomus 2, Cinnyris jugularis 22 Commyris 2 perata 23. Ceorone Milippina 24 Clareops calvus metanonotus it that wheather who whom is all of (f it f= 6)"

Brid data for Dr. Richmond. Il copy of the following was Jurnished Dr. Richwood: -The following were skins that I had left out for further study in the Bureau of Decence. These will be rent to the U. D. Hational Museum by Tils. Me Gragor when he sends those which he borrowed for his own aludies. V Oringa erassirottris. - No. 14422. Junindao Id., P. J. V Cotile sinensis. - 14712, 14711, 14779; 14710,14693, and 14732. V Grion turns montanus. - No. 14351. Buyuet Prov., Luzon. v Columba griscigularis. - no mumber . f Hrom Batan Id. V Cacatica haematuropygia. - 14336, and 14560 (242) VA gialités dubia. - 14707, 14845, and 14688. L'gialitiz alexandrinus (perhaps peroni). - 14869, and 14 1 i C'Athotomus eleloronotus. - 15009, 14981, 14905, 14986, 7 14977. 1 icaeum pygmaeum. - 14943, 14948, 14931, and 14714. / Clbrornia olivacea. - 14185, 14113, and 14210. V'(l'eunt liopeneuste borralis - 14623,14666, 14600, 14395, and 1455; 1 Comberiza aulfurata. - 14754, 14823, 14777, 14890, 14721, 14831, 14830, 14733, 14719, 14778, 14720, 14734, 14755, and letter V Caprimulgus griseatus. - 14707. 1 Doops, new species. - 1 14421 & ad. Lumindao Id. 8. Ti Attrocephalus orientalis. - 15035. VHorornis minuta. - 14810, 14867, and (notag) shotby Circaro, 1, Horornia canturiens. - 14883, 14758, 14835; 14718, and 1502 V Turnix ocellata - 14990, 14796, and 14795. Lotal 6/2/king. (Save for my file.) & a.m. the trustees tills when whom is all of the the

Mammals. Horace W. Bivine, Ordnance Dergeant, USO, woole me from wamp Overton, northern Mindanas, Guly 3, 1907: "Dulso hour a white mokey (live), "from Comp Overlor (Cognomolgus mindanensis hearns). Major John R. While, Philippine Coonstabulary, Low: of Prison Colony at Durahig, mean Prierto Princesa, Palawan sent: Thiging Squirrel, Other, Ceivet Coat, and RKunk pkins.

(Sheet .) Corone philippina Bonaparte ( Jang pang, on Dumanquilar Bay, southern Mindanao, August 17,1906 Gabo Saland, Lgal Buy, of y routh Minda no fifil 2,1406. Halina Stand, Eumangular Bay, off. 3). Mindana, Upril 2, 1906. Ayala, western Mindienar, Vinguet 27, 1906. Cobu, Cebu Island, Deptember 3, 1906. Hiactan Island, off Cochu, Defilonbar 3, 1906. Complement, west court of Da navilland, Deflenber 5,1906. Luite minutrais on Course Island, Dutu Ava, Deplember 10,1906, when a pair had a nest as yet wellhout iggs; parent shot lodged in bamboo. Murigina Valley, Rigal Freiner, Lugar, De planter 17,1906. tet Writipolo, Migal Province, Lugar, Def Comber 21,1966. Inlug, last shore of Davao & July, southern Mendanao, June 12, 1904 Davao, southern Mindanao, June 13, 1904 Togulaya, west shore of Davao Sulf, southern Mindanao, June 14, 1904 Tagelage up to 1030 feet altitude on trail up Ul. Opo, Windowas, June 15, 1904. Todaya, 4000 feet altetute, Utt. Opo, Mendanao, June 17,1904. hu descending Mt. apo, July 10, 1904, it was Gerst met with at the allitude of 42.25 Lest. Taliend Island, Sulf of Davar, off southern Mindana, July 17,1904 At Todaya, 4000 feet allitude, on mount apo, exeruen no. 13691 was collected with next and two eggs, July 11, 1904.

(Sheet XVIII.) Unidentified Birds. Monny floores of phalaropes and of small waders were seen on the east arm of the Dulustea, Con run pilering Halan page Sound, Hajer E. 13. Babbitt saw a yellow brid the size of our Eastern Blulbird," on Deplember 12, 1906. Coning in August, 1905, Lautemant Cohastestar. Margne, 7th Cavalry, 11.2. army, saw at Ceamp & Iregg, Langasinan Province, Luzon: "at a distance a beautiful rese-tented buil with about two or three feet spread of wing." At Davao, southern Mindanao, June 13, 1904, J noted the following: Took a walk at 10 a.m. Chip-Ker-ree-oh was the ditte, of one unidentified bird, in a voice resem-- bling that of the file orythophthalines. ( Inother un-The nipa palm, was a single, long-drawn wheatle, frequently refealed. 2003.13658-59 (pair), called Sal-yb-Ree'-bonley the Bagabos, had the conjunction a brilliant-blue See Catalogue, and add Mis datum. (It Camp Goodfellow, 6000 feel on Mount apo, the night level that whistles who who is called Too'-lo by Bagobos.

51. Ceinnyris sperata = Range. - Woled at 2000 feet on mount apo. Speemens. - 13712, 13507 (1750 feet), 13713. 52. (Priolus chinensis = Sah-lee - oh. Kange .- 2000 to 4000 feet. Theomens. - 13695 (4000 feet), 13700, and 13701. 53. Corone philippina = Huac or Hoo-huac. Kange - 2000 to 4000 feet. Specimen - 13691, Todaya, 4000 feet. 54. Doodfellowia miranda = Too-cah-ling. Range - 6000 to 7000 feet. Spicimens. - 13555, 13556, 13558, 13559, 13569, 13570, 13571, 13694, 13635, 13636, 13637, 13638, 13669, 13670, 13723 (Todaya, 4000 feet), 13530, 13557, 13560, 13596, 13567, and 13619. (4000 to 6750 feet). 55. Lamprocora x lodayensis = Kohl-lee'-po. Range. - Common at Todaya, 4000 feet not seen elsewhere. 56. Munia jagori = Mý-nh - del-ooh-mah-tel or Range - 2000 to 4000 feet (breeding at 4000 quit). Specimens. - 13729 (192, 314), parent with mest and eggs, taken at Lodaya, allitude 4000 feet. 57. Collocalia I collected nest (Sahl'-logg) of the Kal-ah-bah's-bahs, a Swift that I did not get Kahl-lee-bah's -bahs.

FURTHER ADDITIONS TO THE LIST OF PHILIPPINE BIRDS,

WITH DESCRIPTIONS OF SPECIES NEW TO SCIENCE AND

TO FEMALES (PREVIOUSLY UNKNOWN) OF CYRT STOMUS JUGULARIS,

DINAGATENSIS AND ANTHEREPTES CAGAYANENSIS.

by

EDGAR ALEXANDER MEARNS. (Lieutenant Colonel, U. S. Army, Retired.)

This is the seventh of a series of papers on Philippine birds, published by the writer, adding, in all, 56 species to the list of those previously known from the islands. 1) It is the writer in-

tention soon to publish a list of Dr. Paul Bartsch's Philippine collection of hirds, in which two additional forms will be described.

The following are additions to the species recorded from the Philippine Islands:

### Sterna Longipennis Mordmann.

Nordmann's Tern.

I collected five specimens (Nos. 14065-69, author's collection) of this species, in Basilan Strait, off Mamboanga, Mindanao, April 19,1906. Four were preserved as skins (Nos. 200770-73, U.S. Mational Museum) and one in alcohol.

#### Lobipes lobatus (Linnaeus).

Northern Phalarope.

On several occasions I had seen flocks of phalaropes on the seas surfaceding the Philippine Islands; and, on April 19, 1906 in Basilan

<sup>1)</sup> See Proc. Biol. Soc., Lashington, MVIII, January 20, 1905, pp. 1-8; February 21, 1905, p. 73; February 21, 1905, pp. 83-90; June 29, 1905, p. 185; The Phillippine Journal of Science, II, October, 1907, p. 353; pp. 355-360.

Strait, which connects the Sulu and Celebas Seas. These are Nos. 200774-6, U.S.National Museum.

Tanygnathus megalorhynchos (Boddaert).

Great-billed Parrot.

On January 23, and October 8, 1906, this large green parrot was found in considerable numbers on Sarangani and Balut Islands of the Sarangani group, off northern Mindanao. An adult female (No. 200811, U.S.National Museum) was collected on Balut Island, January 23, 1906.

The following are believed to be new to science:

Phapitreron samarensis, new species.

Samar Brown Pigeon.

Type.-No. 161096, U.S. National Museum. Adult female. Collected in March, 1888, on the Island of Samar, Philippine Islands, by Dr. F. S. Bourns.

Characters. Resembling Phapitreron breverostris, but with forehead, chin, and throat whiter than in P. abbifrons McGregor.

From P. breverostris it is readily distinguishable by the white forehead, chin, and upper throat, also by the much greater amount of coppery amethystine reflections on the crown breast and upper back, and by the usual absence absence of green reflections on the side of the hind-head bevaw the suborbital white stripe; and the underparts are much paler. From P. abbifrons it may be at once distinguished by the different color of the under parts, which lack the olivaceous-gray on the breast, and is more ochraceous on the abdomen; and the coppery reflections on the breast of P. samarensis and upper back are entirely absent in P. abbifrons.

Heasurements of type. (from well-made skin of female). Total length, 230; wing, 124; tail, 95; culmen and cere (chord), 14; tarsus, 19; middle toe with claw, 26, "Eyes pink, Feet, base of mandible, and around eyes, dark purple. Tip of bill black. Egg taken from ovary (F. S. Bourns)".

Measurements of adult male (No. 161095, U.S. National Museum, collected in April, 1888, on the Island of Samar, by Dr. F. S. Bourns). - Wing, 129; tail, 95; culmen and cere (chord), 14.5; tarsus, 20, middle toe with claw, 27.

<u>Muscadivores palmacensis freeri?</u>, new species.

Palmas Island Fruit-eating Pigeon.

Type.-No. 200839, U.S. Hational Museum. Adult male, Collected January 21, 1906 on Palmas Island, in the Celebes Sea, Philippine Islands, by Edgar A. Mearns. (original number, 13889).

Characters.- Closely related to <u>Buscedivores pickeringi</u> from Mangsee Island, north of Borneo, on the west side of the Sulu Sea; also to <u>Muscadivores langhornei Mearns</u>, from West Bolod Island, southeast of the Sulu Sea and near the Island of Basilau. From the type of pickeringi (No. 15732 U.S.N.M.) it differs in being maler, with much less vinaceous color on the chin, throat, breast, and under tail-coverts. The wing is ten millimeters shorter. From <u>langhornei</u> which it resembles more closely in the coloration of the under parts, it can be distinguished at a glance by the dark color of the mantle, rump, and upper tail-coverts.

Adult male (type, killed January 21).- Head, neck, upper back, and under parts, lilac-gray, purest on the upper side of neck and upper back, washed with vinaceous on crown, ear-coverts, and breast, fading to whitish around base of bill and shading to drab-gray on legs

and crissum; scapulars, back, rumo, and wing-cover's mouse-gray, lustrous in a certain, light; wing-quills and unper tail-coverts dark mouse gray, with subdued reflections of violet, coppery, and green; rectrices lustrous golden green above, smoke-gray below; flanks, axillars, and lining of wings clear gray. An adult make in fresh clumage, shot by Dr. Paul C. Freer, October 7, 1906, only differs from the type in being appreciably darker. The sexes are practically alike in size and color.

Colors of soft parts. Two mated pairs, about to breed, had the soft parts colored exactly alike, January 21, 1906: Iris red; eyelids and feet vinaceous; claws dusky purplish gray; bare space surrounding eye, pale plumbeous; bill pale bluish gray at tip, darker plumbeous - at base. Testicles functionally enlarged.

Measurements of two adult males (type and topotype, measured fresh by the author). Total length, 420, 430; alar expanse, 735, 750; wing, 240, 240; tail 156, 160; culmen (chord) 20,20; tarsus, 32,34; middle toe with claw, 46, 49.

# Otus steerei new species Tumindao Seops Owl.

Type.- Ho. 210752, U.S. National Museum. Adult male. Collected by Edgar A. Hearns, October 13, 1906, on Tumindao Island, off Sitanki Island, Philippine Islands.

Characters.- Very similar to the Welebesian Otus menadensis, from which it may be distinguished by being larger, with upper parts darker, with more of the black verniculations; black centers to the feathers of the underparts much less conspicuous; feathers of tarsus more heavily cross-barred with blackish. Of the Philippine species it is most closely related to Otus from Culion Id.

Measurements. Wing 157; tail, 84; culmen from cere (chord), 15; tarsus, 33. Iris yellow; bill and feet greenish (from fresh specimen). The stomach of the type contained insects.

## Prioniturus malindangensis, new species. Mount Malundang Racquet-tailed Parrot.

Type.- No. 200887, U. S. National Museum. Adult female. Coll-ceted at 5,000 feet altitude on Mount Lebo, a spur of Mount Malindang, Misamis Province, northwestern Mindanao, Philippine Islands, May 14, 1906, by Edgar A. Mearns (original number, 14, 131).

Characters.- Closely related to <u>Prioniturus waterstradti</u> Rothschild, from Mount Apo, southeastern Mindanao, from which it may be distinguished by its larger size, much yellower coloring of underside, greener, less brownish back and scapulars, longer tail but much shorter naked shafts to the central pair of feathers.

Adult female, (type and only specimen).— Uppermarts green, with slight touches of bluish on forchead, and a light greenish brown rump, as in P. waterstradti; wings bright green above, with con inner webs blackish, and outer webs narrowly edged with rellow; edge of wing pale yellow; rectrices green above tipped with dull black, beryl green on under side, the shafts and spatules of the central pair dull black, with webs all green to the naked shafts; entire underparts golden green; axillars and lining of wings oil green; underside of primaries dull black, broadly bordered on the inner webs with beryl green. Iris dark brown; bill pale brown color, faintly plumbeous at base and tip of mandibles; feet and claws plumbeous (from fresh specimen).

Measurements of type (female).- Wing, 153; tai', 79 (to end of lengthened central pair, 126); culmen from cere (chord), 20; tarsus, 16; middle toe with claw, 25.

Measurements of adult female topotype of P. watersfridti (No. 192136, U.S.National Museum). Wing, 145; tail, 75 (to end of lengthened central pair 151); culmen from cere (chord), 18; tarsus, 15; middle toe with claw, 25 (skin).

### Yungipicus siasiensis, new species

Siasi Pigmy Woodpecker.

Type.- No. 210765, U.S. Mational Luseum. Adult male from Siassi Island, Philippines, October 12, 1906, by Edgar A. Meerns. (original number 14401.)

Mr. E. Hargitt, in the original description of "Yungiricus ramsayi" in the "Ibis" for 1981, cage 598, gave the type-locality as "North-east Borneo"; but the same author, in the "British Museum Catalogue of Birds", Vol. XVIII, p. 335, states that the type was an adult male, collected by A. Everett, in the "Sulu Islands".

An adult male seecimen (No. 211344, U.S.National Museum) collected by Dr. Paul Bartsch, February 23, 1908, on Papahag Island, off Tawi-Tawi, one of the southern islands of the Sulu group, agrees with Hargitt's Yungipicus ramsayi.

Adult Male (type). Similar to the male of Y. ramsayi, but with a smaller bill and without white markings on the upper surface of the primaries or secondaries excent a small concealed white soot on inner webs of several secondaries, and with much less white on the inner margins of the inner webs on under side of wing; and the orange-yellow of the upder parts is much more restricted, being confined to a narrow band across the chest.

Adult female (No. 210746, U.S. Mational Museum, killed at the same time and place as the tyre, with which it was apparently mated). Similar to the male, but lacking the clongated scarlet feathers on the edge of the posterior half of the crown and occiput, the entire upper surface of head and neck being dark brown. The white markings of the upper and under sides of the wings are restricted to the same extent as those of the type, and tend to form a very narrow browish white

margin to the inner webs of the innermost secondaries, below, instead of forming squarish detached white scots as in <u>Y</u>. ramsayi; the orange-yellow pectoral band as in the male.

Weasurements.of Yungipicus new species. - Adult male (type): Wing, 83; tail, 47; culmen, 19.5. Adult female (No. 210764, U.S.

National Museum; topotype): Wing, 85; tail, 49; culmen, 20.2.

Measurements of Yungipicus ramsayi. - Adult male (No. 211344, U. S. National Museum): Wing, 85; tail, 47; culmen, 18.

## Genus Rhinomyias

Mindanao Rufous-tailed Flycatcher.

The series of this genus in the U.S.N.M. shows that there are three geographical forms, from the islands of Basilan, Mindanao, and Samar, respectively.

Compared with the Smmar and Mindanao forms the Basilan form,  $\underline{R}$ . ruficauda ruficauda, has the under parts whiter, middle of chest grayer, sides of chest and flanks a grayer grown, with entire side of head slate-gray.

R. mindanensis and samarensis both have brown checks, and differ from each other in size, the Mindano form being larger. The upper surfaces are of a lighter, more olivaceous, and less rufescent color.

Type of <u>Phinomyias ruficauda mindanensis</u> No. 190247, U.S. National Museum. Adult male, collected by the writer at Pantar, Mindanao, P. I., August 24, 1903. Orig. No. 12929.

# Cryptolopha malindangensis, new species. Mount Malindang Flycatcher-Warbler.

Type.- No. 202360, U.S. Mational Museum. Adult male. Summit of Grand Malindang Mountain (altitude slightly above 9000 feet), Misamis Province, northwestern Mindanao, Philippine Islands, June 6, 1906. Collected by Edgar A. Mearns (original number 14275).

Characters.- Similar to Cryptolopha mindanensis Martert, from from Mount Apo, Mindanao, but smaller, less yellow above and below, and with a distinct yellowish-white postocular-streak extending to the occiput; bill flesh color instead of yellow on base of mandible; feet grayish flesh color instead of plumbeous.

Adult male. Upperparts olive-green, darkest on the crown; wings and tail dark brown, broadly bordered with olive-green on the outer webs, but with outer rectrix white to the base, edged with male yellow besall; and with olive-brown terminally on outer web; second rectrix dark brown at base of inner web, white on terminal two-thirds, yellow on basal field od outer web, and olive-brown on terminal half; third rectrix edged with white at the of inner web, and yellow on outer web at base; loral and cost-ocular streak yellowish white; entire underparts sulphur yellow obscured by pale olive-green centers to the feathers; under tail-coverts plain sulphur yellow; sides of chest and flanks olive-green, streaked with yellow; axillars and lining of wings male sulphur-yellow; cheeks pale sulphur yellow mottled with very pale olive-green.

dangensis. - Adult males (from skins): Wing, 58-56; tail, 48-46; bill from nostril, 7-7; tarsus, 21-21.

## verptolophia autimoungersis

Material. - 5 dec index? specimens of Cryptolopha mindanensis and ll of malindangensis.

Range.- from 5000 to 9000 feet on the Malindang Mountains.

<u>Psendotharrhaleus malindangensis</u>, new species

Mount Malindang Wood-accentor.

Type.- No. 210,853, U.S.National Museum. Adult male. Summit of Mount Malindang, northwestern Mindanao, Philippine Islands, altitude slightly above 9000 feet, June 6, 1906. Collected by Edgar A/Means (original number 14277).

Characters. The largest known species of <u>Psendotharrhalus</u>; gray of cheeks and supra-orbital stripe obscured by heavy markings of brown; feathers of chest heavily marked with black centers.

Adult male (type and only specimen) - General color above burnt umber, washed with Vandyke brown on rump and upper tail-coverts; tail darker; wing-quills brownish black, with outer webs broadly margined with the same color as the upperparts, and extending to the outer webs of the underside of wing; head sepia above, without an appreciable supraorbital stripe; sides of head grayish brown maculed with bistre; chin and u per throat dirty whitish; much obscured by dusky macules occurying the centers of the feathers; middle of chest, gray, heavily marked with blackish centers to the feathers; sides, axillars, crissum, and under tail-coverts, axillars and lining of wings, like the back, this color shading to wood brown on middle of boll; Iris brown; bill plumbeous-black; feet and claws brown (from fresh specimen). The following measurements were taken from the tyre specimen, freshly killed, by the writer: Total length, 196; alar expanse, 212; wing, 66; tail, 90; culmen (chord), 16.5; bill from nostril, 10.3; from occiput to tip of bill, 42; tarsus,

28; middle tow with claw, 25.

This bird was usually found under mossy logs. Its note resembles the alarm call of the American Fibilo fuscus mesoleucus.

Dr. Goodfellow noted <u>Psendotharrhalus greseipectus</u>, on Ano, as having the "Iris dark brown; bill black; feet and nails rusty-brown (in the male), dull reddish-brown (in the female)."

No. 14277 Hale ad. Summit of Mt. Malindang. Alt. 9000 feet. June 6, 1906.

"Tris brown; bill plumbeous-black; feet and claws brown.

196; 212; 66; 90; culmen (chord), 16.5; bill from nostril, 103; from tip of bill to occiput, 42; tarsus, 28; middle toe with claw,

25. This bird is usually found under mossy logs. Its note resembles the clarm call of the American Pipolo fuscus mesoleucus.

#### Psendotharrhaleus caudatus

15405 - 208365 (male ?) ad. July 26, 1907. Haight's. Altitude, 7000 feet.

15439 - 208366. Female, ad. July 29, 1907. Haight's. Altitude 7000 feet. 197; 198; 62; 90; cul., 14; nost., 9; tarsus, 28, rectc., 25.

"Iris light brown. Bill dark brown above, slaty brown below. Feet and claws uniform purplish brown."

# Brachypteryx malindangensis, new species Mount Malindang Shortwing.

Type.- No. 202,137, U.S.National Museum. Adult female.

Summit of Grand Malindang Mountains, altitude 9000 feet, Misamis

Province, northwestern Mindanao, Philippine Islands, June 5, 1906.

Collected by Edgar A. Mearns (original number 14269).

Characters. Host closely related to Brachyperyx brunneiceps
Grant and B. mindanensis Mearns. Smaller than brunneiceps, about
equalling mindanensis; coloration very dark; russet of front of
head intensified to almost a burnt umber, and not extending backward
beyond the eyes; edge and lining of wings, slate color, instead of
rusty.

Adult male (No. 202136, U.S.National Museum. A topotype from the summet of Mount Malindang, altitude 9,000 feet, June 5, 1906).—
Uniformly slate-black, becoming practically black on the whole head, except a minute and wholly concealed supraorbital white syst. Iris dark reddish brown; bill all jet black; feet and claws plumbeousblack (from fresh specimen).

Adult female. Front of head back to the eyes rusty burnt-umber, with eye-ring of same color; hind half of head, neck all round, and all of body except abdomen, blackish slate; abdomen washed with brownish gray; wings and til brownish black, washed with slate color; edge and lining of wings slate color, not russet. The colors of the iris, bill, and feet were noted as exactly like those of the male topotype.

Measurements. - Adult male (No. 202136 U.S. Hational Museum):
Total length, 160; alar expanse, 222; wing, 70; tail, 60; culmen (chord), 14.5; bill from nostril, 9; tarsus, 32; middle toe with

claw, 24. Adult female (type): Total length, 148; alar expanse, 213; wing, 66; tail, 53; culmen (chord), 13; bill from nostril 8.5; tarsus, 34; middle toe with claw, 24.5.

# Brachypterys malindangensis

14269 Female type.

148; 213; 66; 53; ;3; 34; 24.5.

Colors of soft parts like No. 14268.

14268 Male, ad.

160; 222; 70; 60; 14.5; 32; 24.

Iris dark reddish brown. Bill all jet black. Feet and claws plumbeous black. The white over eye is concealed and reduced to a very small patch.

#### Brachypteryx nundamensis

Male, ad. 158; 220; 70; 62; 14; nost., 9.5; tarsus, 33; rectc., 23. Iris dark brown; bill, feet, and claws gray black, darker than the plumage.

Female, ad. 155; 218; 70; 50; 13; nost., 8.6; tarsus, 33; rectc., 22. Iris brown; bill and feet gray-black.

Hyloterpe apoensis basilanica, new subspecies.

Basilan Island Thick-head.

Type.- No. 161534, U.S. National Museum. Adult male. Collected on the Island of Basilan, Philippine Islands, November 8, 1887, by D. C. Worcester.

Adult Male.— Similar to typical <u>vloterpe amoensis</u>, but paler throughout, with crown brownish instead of grayish; slightly smaller; underparts canary yellow instead of lemon yellow. Wing, 78; tail, 67; culmen, 14; bill from nostril, 9.2; tarsus, 17.5; "Iris brown. Bill black".

Adult fencle (No. 201258 U.S. Matichal Museum. Collected on the Island of Basilan, Philippine Islands, February 19, 1906, by Edgar A. Mearns. Original number, 13962.) - Paler and dingier than the male; underparts pale canary yellow from throat backward. Wing, 71; tail, 61; tarsus, 17.5.

Remarks. - Specimens in the U. S. National Museum, collected on the Island of Sigujor, P. I., by D. C. Bourns and D. G. Worcester, are exactly like Basilan specimens taken in February, 1968, and must be included as belonging to this subspecies. Lowland birds from linnanao Island connect the forms appears and basilanica.

Zosterops goodfellowi malindangensis, new subspecies.

Mount Malindang Silver-eye.

Type.- No. 202401, U. S. National Museum. Adult male. Summit of Mount Lebo (Malindang group), altitude 5,750 feet. Misamis Province, northwestern Mindanao, May 21, 1906. Collected by Edgar A. Mearns (original number, 14169).

Characters. - Smaller than typical Zosteops goodfellowi, with stouter bill; front half of head grayish brown instead of olive-green; nape greenish-gray instead of olive-green; auricular patch

more sharply defined and less greenish; malar region washed with brown instead of being dirty white; throat and upper breast more distinctly washed with brown. The iris is reddish brown in both; bill black in affinis, plumbeous-black in mindanensis; feet and claws pale olive, yellowish on under side of toes in both.

Measurements of Zosterops goodfellowi goodfellowi and Zosterops goodfellowi malindangensis contrasted.— Adult males (measured in the flesh by the writer): Total length, 156-147; alar expanse, 231-218; wing, 75-70; tail 61-57; culmen (chord) 13 - 15; tarass, 21-21; middle toe with claw, 16-16.5. Adult females (measurements from dry skins): Wing, 70-63; tail, 59-54; culmen (chord), 12.5-13.5; tarsus, 21-21.

Material. - Seven specimens of typical goodfellowi from Mount Apo and eleven of the present form from the Malindang group of mountains.

Range. - From 5000 feet on Lebo and Bliss peaks up to the summit of Grand Malindang (900 feet).

Cyrtostomus jugularus mindanensis, new subspecies; Mindanao yellow-breasted Sungird.

Type.- No. 192061 U.S.National Museum. Adult male. Collected January 24, 1904, at Mamboanga, western Mindanao, Philippine Islands, by Edgar A. Mearns. (original number, 13177).

<u>jugulars</u> of Luzon, but slightly larger, with the u erparts olivegreen instead of brownish olive-gray; underparts nearly uniform lemon yellow instead of canary yellow.

Measurements .- Males

Comparative measurements. - Males of <u>Cyrtostomus juguloris min-</u>
danensis average: wing, 54; tail, 44; culmen (chord), 18; tarsus,

15. Remales of C. j. windanencis average: wing, 52; tail 38; culmen, 17; tarsus, 14.

Material. - 26 skins, from Mindanao and the off-lying islands of Talicud and Buluan, the latter showing a tendency to intergrade with C. j. woodi. One skin from Cebu Island.

C. jumularia diagratemais (Bucas, Duisgat, Leyte, Basiao, Bohol and Panay islands), show no tendency to intergrade with dinagatensis, but, on the contrary, have the underparts paler yellow than any others from Mindanao. The range of dinagatensis separates the ranges of jugularis and mindanensis.

dyrtostomus woodi, new species.

Wood Yellow-breasted Sunbird.

Type. - No. 200602, U.S. Mational Museum. Adult male from one of the Three Islands, south of Sibutu Island, Philippine Islands, January 5, 1906. Shot by Leonard Wood, Jr., for whom the stecies is named.

C. dinagatensis, old males differing from all three in the metallic reflections on the middle of the dark metallic plastron, which are bluish and violet instead of green-blue; underparts shading very gradually from rich orange, adjoining the dark metallic plastron, to clear yellow on the crissum and under tail-coverts; back a more golden plive-green than in the other Philippine forms; forehead lores and superciliary stripe solid metallic violet-purple.

Young male (No. 200600 H.S. National Museum, from Dawri Island in the Sulu Sea, January 4, 1906).- Hiddle of chin, fore neck, and

throat metallic blue; sides f neck and chest orange-yellow, shading to canary yellow on crissum and under tail-coverts; upperparts golden olive-green; quills dark grayish brown, edged with olive-green; like the back; restrices tipped wit' yellowish white, broadest externally.

Measurements of type(skin).- Wing, 52; tail, 40; culmen (chord 16.5; bill from nostril, 14; tarsus, 14.5; middle toe with claw 11.5.

Geographical range. - Known only from three islets south of Sibutu Inland, and from Darmi Reland. There being no seccimens from the neighboring small islands, it is not possible to define its range at the present time.

Description of the femile of Cryrtostomus jugularis dinagatensis

Dinagat Orange-breasted Sunbird.

by Captain Halstead Dorey, U. S. Army. Similar to females of C. jugularis but greener above, and paler yellow below.

This proves to be a very distinct form, having for its range the islands of Bucas, Dinagat, Leyte, and Bohol.

Description of female of Anthreptes cagayenensis Hearns
Cagayan Sulu Brown-throated Sunbird.

Characters of adult female (No. 202463 U.S. National Museum, collected October 15, 1907, on Cagayan Sulu Island, in the Sulu Sea, Philippine Islands, by Edgar A. Mearns).— Differs from females of Anthreptes griscogularis in the absence of the grayish white chin and threat; from A. chlongaster in the yellower coloration of the middle underparts and greener upper parts; and from A. malacensis, only in the greater contrast of the canary yellow of the middle underparts with the green color of the flanks, which in A. cagayanensis are male iol-green, and in A. malacencis elive-yellow. I have no female of A. wiglesworthi for comparison. Wing, 65; tail, 47; culmen (chord), 15.5; bill from nostril, 12; tarsus, 15.8.

## Pyrrhula steerei, new species.

Steere Bullfinch. \*

Type.- No. 210772, U.S.National Museum. Adult male. Summit of Yount Bliss, Malindang group, altitude 5750 feet, northwestern Mindanao, Philippine Islands, June 9, 1906. Collected by Edgar A. Hearns (original number 14278).

Cheracters. Similar to Pyrrhula leucogenys Grant, described in the Bulletin of the British Ornithologists' Club, No. EMVIII, page XLI, June 29, 1895, from the mountains of Lepanto in northern Luzon. The Mindaneo bird differs in being smaller, with a differently colored, much smaller bill, more brownish coloration, and a tendency to whitening on the middle of the abdumen which the Luzen bird lacks.

Adult male (type, killed July 9.) - Grown and front of head all round, to jut behind eye, black; crown glossed with rurplish blue; lores, malar region, chin and upper throat dead black; auriculars white; scapulars and luterscapular region deer broccoli brown; rump white; rectrices, upper tail-coverts, primaries, secondaries, tertials, primary coverts, and base of greater wing coverts, glossy bluish purplish black; lesser wing-coverts dark broccoli brown; terminal two-fifths of greater wing-coverts broccoli brown, paler terminally; outer web of innermost secondary edged externally with orange-vermilion; underports broccoli brown, shading to whitish on middle of belly and to tawny ochraceous on crissum; axillars pure white; under wing-coverts brown at base, broadly white terminally; under side of shafts of primary quills white nearly to the tips.

Fresh steedmens, including the type, were ktiken noted in the field as having the iris dark brown; bill plumbcous-black, perceptibly

\*The section to which this bullfinch belings has recently been made the subgenus Protopyrrhula Bianchi. Bulls. Acad. Imp.sci., St. Petersg., Ser. XXV, 1906, 159-198. Subg. for P. ripalensis, erythrocephala, erythoca and leucogenys.

color at extreme base; feet brownish flesh color, with under side of toes yellowish; claws brown. In the dry skins the bills are uniformly rlumbeous-black.

Adult female (Nos. 202265 and 210771, U.S. National Fureum, topttypes taken May 27 and 30, respectively). - Exactle like the male, except that the outer web of the innermost secondary is edged externally with yellowish orange instead of orange-vermilion.

Comp rison with Fyrrhula leucogenys .- The material used in making the comperison with Pyrrhula leucogenys consists of two adult females of P. leucogenus, one (No. 172435 U.S.H.M.) a topotype collocted by Mr. John Whitchead, in Lepanto Province, Luzon, P. I., the other (No. 208, 435 U.S.F.M.) collected by the author near Pacay, Benguet Province, Luzon, P. I. The first was killed December 19, 1894, the second July 28, 1907. The December bird is in fresher plumage and somewhat darker and browner than the July specimen. localities were in sight of each other, perhaps twenty miles apart. In both of the Luzon birds the bills still show a large amount of yellow, as shown in Mr. Meuleman's excellent figures of the male and female (Plate XIV) published in the Ibis for 1895, opposite page 455. From a female specimen of P. leucogenys (No. 208435 U.S.M.II.), just shot, I noted the following: Iris grayish brown; bill yellowish horn color, broadly black on commissural line and at tip; feet brownish flesh color, claws darker brown.

Comparative measurements of fresh evecimens (by the author).- No. 210771, U.S.National Museum, an adult female topotype of Pyrrhula whiteheadi, and No. 208435, an adult female of P. leucogenys, from NEar the type locality, presented the following measurements: Length, 152-168; alar expanse, 242-259; wing, 77-82; tail, 65-71; culmen (chord), 10.5-11.3; tarsus, 17.5 - 18.5; middle toe with its class,

16.5 - 19.

Remark.- It seems fitting that this species should be named in honor of Mr. John Whitehead, who first made the remarkable discovery of the genus Pyrrhula in the Philippines.

In the following table, measurements of <u>Pyrrhula leucorenus</u> and and <u>P. Maitsheadi</u>, taken from dry skins, by Mr. J. H. Riley, ore presented.

No. 14216, Femalo, ad. May 27, 1906.

Summit of Mt. Bliss.

"Tris dark brown. Bill plumbecus-black, horn color at base of mandible. Feet brownish flesh color, under side of tees yellowish; claws brown."

No measurements.

No. 14250 Female, ad. May 30, 1906.

Summit of Mt. Bliss, Mindanao, Alt. 5750 ft.

"Iris brown. Bill black, horn color at base of maxilla. Feet brownish flesh color, yellow under toes; claws brown."

152; 242; 77; 65; 10.5; 17.5; 16.5.

No. 14278. Male, ad. June 9, 1906.

Summit of Mt. Bliss, etc. Iris dark brown. Bill plumbeous-black, perceptibly horn color at extreme base; feet brownish flesh color with under side of toes yellowish; claws brown.

No. 15427, Female, ad. July 28, 1907.

"168; 259; 82; 71; 11.3; depth 11.3; width 11; tarsus, 18.5; middle toe with its claw, 24.5. Tris grayish brown. Bill yellowish horn color, broadly black on commissural line and at tip. Feet brownish flesh color, claws darker brown."

No. 875 Whitehead Coll. Female.

No. 172435 U.S.H.M.

uJ. W. North Luzon. 19. 12. 94. This winter specimen, taken December 19, has the bill and feet colored Fike the above speci-

men (15427), taken July 28, 1967. The winter bird is browner and in less faded plumage; otherwise the two are mike.

# <u>Dicrurus balicassius mindorensis</u>, new subspecies. Mindoro Drongo Shrike.

Type.- No. 202,009, U. S. Mational Museum. Adult male, collected at 3000 feet altitude on Mount Walcon, Mindaro Island, November 30, 1906, by Edgar A. Mearns.

Characters. Slightly larger than Drorurus balicassius from Luzon Island; also differing in having the metallic reflections of the upper parts and breast greenish blue instead of bluish green.

Measurements of type (adult male).- Wing, 148; tail, 130; eulmen, 27; tarsus, 25.

<u>Measurements of three adult female topotypes</u> (Nes. 202006-8, U. S. National Museum). Wing, 143; 146, 144; tail, 128, 129, 129; culmen, 27.5, 31, 29; tarsus, 26, 25, 25.

#### Chibia cagayanensis, new species.

Cagayan Sulu Drongo Shrike.

Type.- No. 191894, U.S. Hational Museum. Adult female from Cagayan Sulu Island, in the western part of the Sulu Sea, Philippine Islands, collected February 26, 1904, by Edgar A. Mearns. (Original number, 13285).

Characters.- Very similar to Chibia palawanensis, differing only in its somewhat larger size, shallower forking of the tail, the narrower and very much smaller spangles on the breast, and in the absence of metallic green on the upper tail-coverts.

Measurements of skin (type and only specimen).- Length, 260; wing, 136; tail, 126; emargination of tail, 16; culmen (chord) 28.5; tarsus, 24.5.

Conto the service of the service of

15 to 16 to

In a hour of the second 1. 4813 (197) 29.2 1. 157, 157 China lande 48.3 132.1 20.3 1.73 25.4 25.17 26.6 127.0 508 13150 135.05 65.110 2514 1.15 1:20 180 .0210 25.4 25.4 2256 67310 127.3 148 26 1 6 127 wing, 67.3 fail 48.3 taisus 29.2 9 11 132.1 11 67.3 11 48.3 11 1912

## Brachypterys malindangensis

14269 Female type.

148; 213; 66; 53; ;3; 34; 24.5.

Colors of soft parts like No. 14268.

14268 Male, ad.

0

160; 222; 70; 60; 14.5; 32; 24.

Iris dark reddish brown. Bill all jet black. Feet and claws plumbeous black. The white over eye is concealed and reduced to a very small patch.

## Brachypteryx nundanensis

Male, ad. 158; 220; 70; 62; 14; nost., 9.5; tarsus, 33; rectc., 23. Iris dark brown; bill, feet, and claws gray black, darker than the plumage.

Female, ad. 155; 218; 70; 50; 13; nost., 8.6; tarsus, 33; rectc., 22. Iris brown; bill and feet gray-black.

Dr. Goodfellow noted <u>Psendotharrhalus greseipectus</u>, on Apo, as having the "Iris dark brown; bill black; feet and nails rusty-brown (in the male), dull reddish-brown (in the female)."

No. 14277 Male ad. Summit of Mt. Malindang. Alt. 9000 feet. June 6, 1906.

"Tris brown; bill plumbeous-black; feet and claws brown.

196; 212; 66; 90; culmen (chord), 16.5; bill from nostril, 103; from tip of bill to occiput, 42; tarsus, 28; middle toe with claw, 25. This bird is usually found under mossy logs. Its note resembles the alarm call of the American Pipolo fuscus mesoleucus.

#### Psendotharrhaleus caudatus

15405 - 208365 (male ?) ad. July 26, 1907. Haight's. Altitude, 7000 feet.

15439 - 208366. Female, ad. July 29, 1907. Haight's. Altitude 7000 feet. 197; 198; 62; 90; cul., 14; nost., 9; tarsus, 28, rectc., 25.

"Iris light brown. Bill dark brown above, slaty brown below. Feet and claws uniform purplish brown."

Prends to whalene candalus

15405-208365(83) Let. July 26,1907

Haight's altitude 7000 feet.

15439-208366 Fad. July 29,1907

Haight's altitude 7000 feet

197;198;62;90; cuc., 14; nort, 9;

Tarsus, 28; suite, 25,

" fris light brown. Bill dark brown above, slaty brown below. Freet and claux minform purplish brown.

Jones on Tho, as having the "Ins Last brown; bill black; feet and waits trusty-brown (in the male), dull ned ash-brown (an the female)." No. 1427 F3 ad. Dummit of West, Walindang alf. 9000 geet James 6, 1706. "This brown; bill plum brows-black; feet and claws brown, 196; 212; 66; 90; culmen (chord), 16.5; bill from nostril, 10.3; from top of bill to occipiet, 42; larsus, 28; middle to a with claw, 25, This brid's usually found under mosey logs, Its note resembles the alarmeall of the american Tipilo fusous and when our

No. 14216 fad. May 27, 1906.
Summit of Mt. Bliss

Pris dark brown. Bill plumbrous-black,
Morn color at base of mandible. Freet
brownish flesh color, under side of Toes
yellowish; claws brown."

To measurements

20,14250 fad. May 30,1906. Summit of Mt. Bless, Mundanas, alt. 5750 ft.

base of mexilla. Heet brownish flesh, color, yellow under toes; claws brown, 152: 242; 77;65;10.5;17.5;16.5.

Summit of Wt. Bliss, etc. Inis dark trown. Bill plumbrous-black, per = exptibly hom color at extreme bace; feet brownish flesh color with under side of togs yellowish; claws brown

Mo, 15427, fad. July 28,1907
168; 259; 82; 71; 11.3; depth, 11.3;
width 11; larous, 18.5; middle lose with its claw, 24.5. Prio frankle brown. Bill yellowish horn color, broadly black on commissural line and at tip, Heet brownish flesh color, claws darker brown. "
Mo,875 Whilehead Coll. 9
172435 WSWM.
"I.W. Worth Luzon. 19.12.94.
This winter opecinion, taken & comber 19, has the bell and feet colored like the above specinion (15427), taken July 28,1907. The winter brid is browner and in less faded plumage;

otherwise the two are alike.

No. 14216, Female, ad. May 27, 1906.

Summit of Mt. Bliss.

"Tris dark brown. Bill plumbeous-black, horn color at base of mandible. Feet brownish flesh color, under side of toes yellowish; claws brown."

No measurements.

No. 14250 Female, ad. May 30, 1906.

Summit of Mt. Bliss, Mindanao, Alt. 5750 ft.

"Iris brown. Bill black, horn color at base of maxilla. Feet brownish flesh color, yellow under toes; claws brown."

152; 242; 77; 65; 10.5; 17.5; 16.5.

V No. 14278. Male, ad. June 9, 1906.

Summit of Mt. Bliss, etc. Iris dark brown. Bill plumbeous-black, perceptibly horn color at extreme base; feet brownish flesh color with under side of toes yellowish; claws brown.

No. 15427, Female, ad. July 28, 1907.

"168; 259; 82; 71; 11.3; depth 11.3; width 11; tarsus, 18.5; middle toe with its claw, 24.5. / Iris grayish brown. Bill yellowish horn color, broadly black on commissural line and at tip. Feet brownish flesh color, claws darker brown."

No. 875 Whitehead Coll. Female.

No. 172435 U.S.N.M.

"J. W. North Luzon. 19. 12. 94. This winter specimen, taken December 19, has the bill and feet colored like the above speci-

men (15427), taken July 28, 1907. The winter bird is browner and in less faded plumage; otherwise the two are alike.